

SKIL Chain Saws and Chain Saw Accessories Discontinued

Catalog for Industry and Construction

I-119



Your *SKIL* Distributor is your best source...

No matter where you're located there's a local Skil Distributor to serve your needs quickly and economically. Because your distributor is a member of your local industrial community, he can supply invaluable services which would not otherwise be available without tremendous increases in costs.

Local Sales Calls Help Avoid Emergencies

The regular and frequent local sales calls your distributor makes can help prevent many of those production and maintenance emergencies from developing. Millions of dollars have been saved through the ability of distributors to anticipate many of their customers' needs. This has enabled them to have tools and other supplies on hand thus avoiding down-time and production stoppages. If an emergency does develop the local Skil Distributor stands ready to render emergency service.

Available Local Stock Cuts Delivery Time

Getting the correct tools and accessories where they're needed — when they're needed — is a specialty of your distributor. The immediate availability of stocks at the local level cuts delivery time and enables you to carry smaller inventories. This releases capital and space for more profitable uses.

Assurance of High Quality Protects You

A distributor's reputation is built of two ingredients — dependable service and the quality of the tools and supplies he sells. Skil Distributors protect their excellent reputations by supplying nothing less than the best and never delivering less than they promised. This then is your assurance of receiving the finest tools and supplies along with the most dependable service.

One Source For Many Products Simplifies Purchasing

Your Industrial Supply House stocks many products and supplies you use for plant maintenance as well as production. Using this one source can greatly simplify your purchasing system. Precious time will be conserved because this one source can supply ready information on a wide variety of the products and supplies you purchase.

New Techniques Reported To You

Alert distributors are among the first to spot new techniques in construction, production and maintenance. Your distributor may well solve some of your problems by reporting the new methods and applications he's seen in similar situations in other plants. It will pay you to consult with him on matters where broad experience is important.

Part of a Selling Team to Serve You Better

Your local Distributor and Skil form a sales team designed to bring you the finest quality tools in the most dependable and economical manner. As a source of supply, your local distributor can be of great value not only for Skil power tools but for the many other items he stocks in his effort to provide you with prompt delivery and efficient service.

METRIC CONVERSION CHART

Symbol	When You Know	Multiply By	To Find	Symbol
in.	inches	25.4	millimeters	mm.
mm.	millimeters	.039	inches	in.
in.	inches	2.54	centimeters	cm.
cm.	centimeters	.394	inches	in.
ft.	feet	30.48	centimeters	cm.
cm.	centimeters	.033	feet	ft.
ft.	feet	.305	meters	m.
m.	meters	3.281	feet	ft.
yd.	yards	.914	meters	m.
m.	meters	1.094	yards	yd.
oz.	ounces	28.35	grams	g.
g.	grams	.035	ounces	oz.
lb.	pounds	.454	kilograms	kg.
kg.	kilograms	2.205	pounds	lb.
fl. oz.	fluid ounces	.0296	liters	l.
l.	liters	1.057	fluid ounces	fl. oz.
pt.	pints	.473	liters	l.
l.	liters	2.113	pints	pt.
qt.	quarts	.946	liters	l.
l.	liters	1.057	quarts	qt.
gal.	gallons	3.785	liters	l.
l.	liters	.264	gallons	gal.

LIMITED ONE-YEAR WARRANTY OF ELECTRIC TOOLS

Skil Corporation warrants for one year from the date of purchase all Skil Electric Tools which do not perform satisfactorily due to defects caused by faulty material or workmanship. Our obligation assumed under this warranty is limited to the repair or replacement of parts, without charge, which are defective and which have not been misused, carelessly handled, or defaced by repairs made or attempted by others.

The complete tool must be returned, transportation prepaid, to any Skil Factory Service Center or Authorized Service Station. A listing of Factory Service Centers is packed with each Skil product.

This warranty does not apply to accessories.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

• • •

LIMITED NINETY (90) DAY WARRANTY OF GASOLINE CHAIN SAWS

Skil Corporation warrants for ninety (90) days from date of purchase all Skil gasoline-powered chain saws which do not perform satisfactorily due to defects caused by faulty material or workmanship. Our obligation assumed under this warranty is limited to the repair or replacement of parts, without charge, which are defective and which have not been misused, carelessly handled, or defaced by repairs made or attempted by others.

The complete tool must be returned, transportation prepaid, to any Skil Factory Service Center or Authorized Gasoline Chain Saw Service Station. A listing of Factory Service Centers is packed with each Skil product.

This warranty does not apply to accessories.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

• • •

LIMITED WARRANTY OF MODELS 1614 AND 1616 GASOLINE CHAIN SAWS

Skil Corporation warrants Skil Models 1614 and 1616 gasoline-powered chain saws which do not perform satisfactorily due to defects caused by faulty material or workmanship within these time periods from date of purchase:

- one year, if the saw is used for personal, family or household use;
- 90 days, if the saw is used for any other purpose, such as commercial and/or rental use.

Our obligation assumed under this warranty is limited to the repair or replacement of parts, without charge, which are defective and which have not been misused, carelessly handled, or defaced by repairs made or attempted by others.

The complete tool must be returned, transportation prepaid, to any Skil Factory Service Center or Authorized Gasoline Chain Saw Service Station. A listing of Factory Service Centers is packed with each Skil product.

This warranty does not apply to accessories.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

This warranty applies only to chain saws sold within the United States of America.



See the phone book Yellow Pages under "Tools—Electric" for the exact location of the Skil Distributor nearest you.

Tool Finder Index

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Product specifications shown subject to change without notice.

Hammers

Saws

Chain Saws

Routers

Sanders Planes

Drills

Drivers

Vacuums

Impact Wrenches

Sanders Grinders

Polishers

Bench Grinders

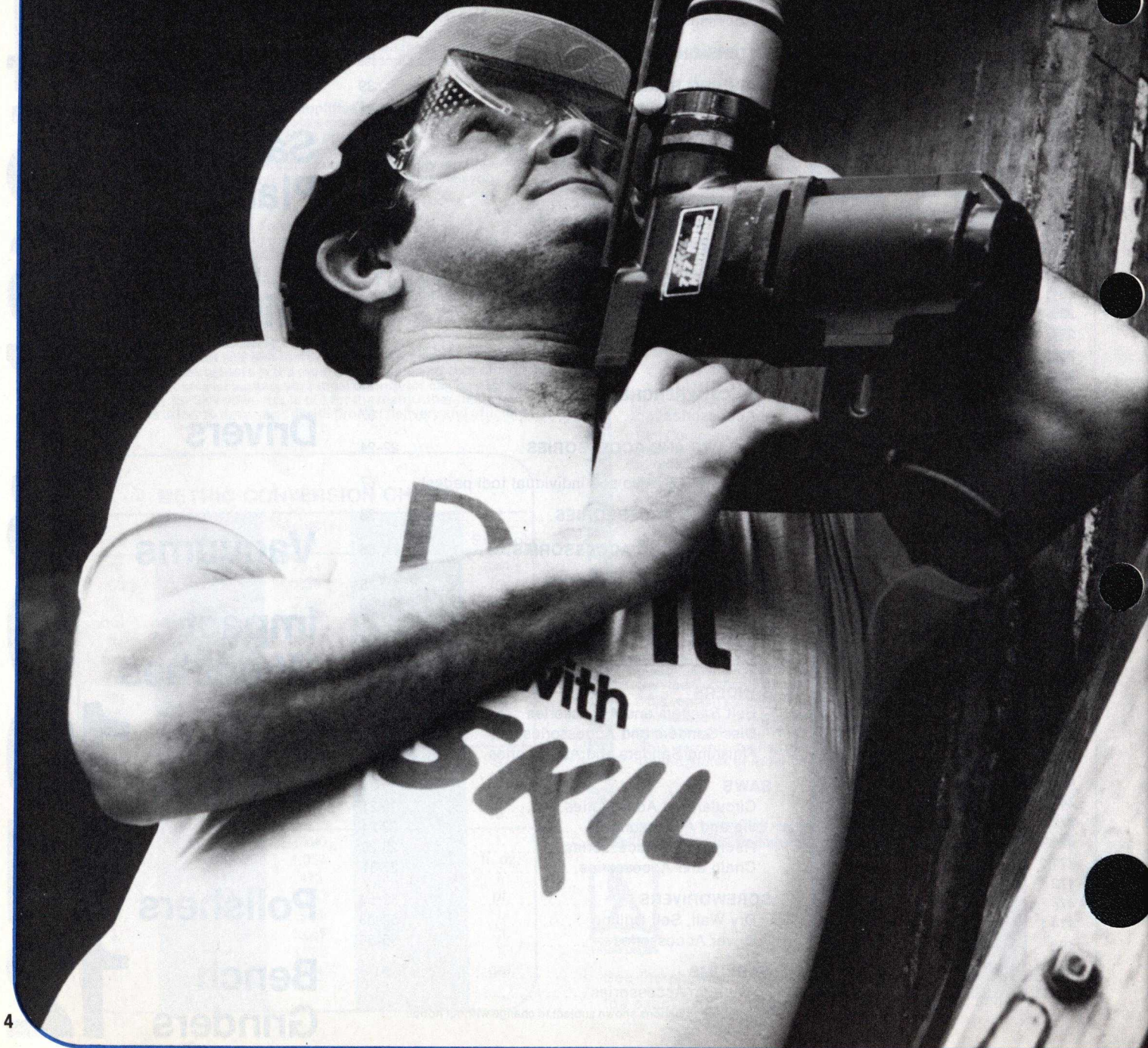
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SKIL® Roto-Hammers

Whatever the concrete drilling or hammering project you have, you'll find a Skil hammer that will do it faster and more economically than any other. Whether drilling holes up to six inches in diameter, setting anchors, either drop-ins or self-drills, tuck pointing, chiseling, bushing or demolishing there's a Skil hammer to make the job easier.

Two Roto-set Hammers which set self-drilling anchors without any need to manually rotate the chuck make this type of anchor setting faster, easier and more economical than previous hammering systems.

A complete range of bits and accessories is also shown in this section, listing not only which Skil hammer they may be used on but also which competitive units they fit.



SKIL Roto-Hammers

Features

MODEL 731

Designed for low maintenance cost and high efficiency over long periods, this hammer has a grease-lubricated hammering mechanism, which will operate for long periods without need to replace the lubricant. Piston rings on the striker cage have been eliminated. This lessens the possibility of compression or power loss. Because the hammering mechanism is completely sealed against lubricant loss and all breather and exterior filters in the barrel have been eliminated, the possibility of dirt entering and contaminating the mechanism is greatly reduced.

- Externally adjustable clutch for setting safe torque level
- Used extensively by pest control and waterproofing industry
- Handles extra-long bits for deep hole drilling
- Positive lock, easy-to-use bit retainer
- Hard-hitting for fast drilling, especially with large diameter bits

MODEL 708

- Hammer-drills in concrete 25% to 50% faster than most similar models
- Easy to handle, lightweight hammer for overhead work, on ladders or scaffolding
- Excellent tool for contractors in areas of concrete, electric, heating, remodeling, masonry, plumbing, carpeting installation, theatre and stadium seat installation

MODEL 717

- New Skil Electro-Pneumatic System hammer mechanism
- Completely sealed, oil lubricated gearing and hammer mechanism, minimum maintenance required.
- Lightweight, aluminum piston for smoother operating and longer tool life
- Compact design and lightweight for easier handling and less operator fatigue
- Externally accessible brush holders for quick and easy inspection and replacement
- Safety brush lifts off commutator when worn to critical length, stops tool, signaling operator to change brushes. Helps prevent damage to commutator.
- Three stage gearing-helical, spur and spiral bevel, all made of alloy steel and heat treated
- Insulated handles for added safety
- All ball, needle and roller bearing construction
- Auxiliary side handle and depth gauge combination is easy and fast-adjustable 360°
- Quick change bit retainer for fast, simple operation
- All accessories equipped with dust seals

Specifications

Switches:

- Heavy-duty enclosed double pole trigger type AC-DC

Bearings:

Model 708: 4 ball; 5 oil impregnated

Model 717: 6 ball; 2 roller, 1 needle

Model 731: 6 ball; 7 oil impregnated

Equipment:

Model 708, 717: adjustable depth gauge and wrench, removable side handle and steel carrying case.

Model 731: adjustable depth gauge and wrench, removable side handle, hex locking adapter and clutch adjusting key, two dust shields and steel carrying case.

MODEL 731

MODEL 708

MODEL 717

Model /Item Code No.	CAPACITIES			Revolutions Per Minute	Amp Rating At 120 V	Overall Length, Inches	Net Wt., Lbs.	Ship. Wt., Lbs.
	Percussion-Type Carbide Bits	Carbide Tipped Core Bits	Blows Per Minute					
708	3/16" - 7/8"	—	2750	550	5.5	11 3/8	10 1/2	13
717	3/16" - 3/4"	—	3150	550	6	14 1/4	10 1/2	19
728-84	3/16" - 1 1/2"	1" - 2"	3000	500	4 at 220/240V	19 9/16	17 1/2	40
731	3/16" - 1 1/2"	1" - 2 1/2"	3000	500	8.0	19 9/16	17 1/2	40

SKIL Roto-Hammers

Features

MODEL 726

- Externally adjustable clutch for setting safe torque level
- Popular tool in pest control industry and for reworking concrete
- Gives long bit life when drilling small diameter holes
- Best model for all-around drilling applications
- Powerful, versatile and lightweight

MODEL 736

- Externally adjustable clutch for setting safe torque level
- Positive lock, easy-to-use bit retainer
- Best for drilling large holes, up to 6" in diameter
- Equally effective for drilling extra deep holes using up to 36" bits
- Designed for heavy-duty remodeling, such as sprinkler installation, demolition work, etc.

Specifications

Switches:

Heavy-duty enclosed double pole trigger type

Bearings:

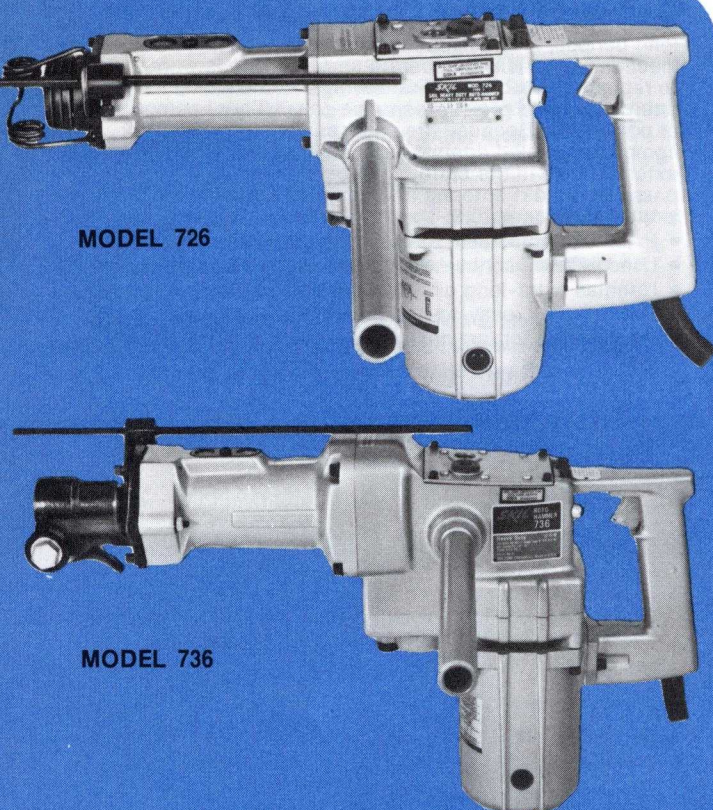
Model 726: 6 ball; 7 oil impregnated

Model 736: 6 ball; 5 oil impregnated; 1 needle

Equipment:

Model 726: adjustable depth gauge and wrench, removable side handle, hex locking wrench and clutch adjusting key, two dust shields, 1 pint oil and steel carrying case

Model 736: same as above, except a hex locking adapter instead of a wrench



MODEL 726

MODEL 736

Model /Item Code No.	CAPACITIES		Blows Per Minute	Revolutions Per Minute	Amp Rating At 120V	Overall Length, Inches	Net Wt., Lbs.	Ship. Wt., Lbs.
	Percussion-Type Carbide Bits	Carbide Tipped Core Bits						
726	3/16" - 1 1/4"	1" - 2"	2400	520	5.5	15 5/8	14 1/2	38
736	1/2" - 2"	1 1/2" - 6"	2300	315	11.0	21 5/8	33	69

For Accessories, See Page 8-12

Demo Hammers

MODEL 2220

Designed for powerful hammering, this tool has a 1 1/4 pound striker for maximum impact. Even with its tremendous power, the reaction dampened system virtually eliminates vibration. The forged steel, fully hardened crankshaft gives maximum strength and durability for long and reliable performance.

- Heavy duty, positive lock, latch type bit retainer.
- Durable, ribbed die cast housing.
- Burnout protected motor.
- Alloy steel inner barrel.
- Easily cleaned air filters.
- Rubber seal ring to maintain air seal.

Specifications

Switch:

Heavy-duty enclosed double pole trigger type.

Bearings:

3 ball; 3 oil-impregnated; 1 needle.

Equipment:

Removable side handle, pint of oil and steel carrying case.



MODEL 2220

Model/Item Code No.	Blows Per Minute	Amp Rating At 120V	Overall Length	Net Weight Lbs.	Shipping Weight Lbs.
2220	1850	11	21 11/16"	28 1/2	63

For Accessories, See Page 10-12

All Tools on this Page Comply With OSHA Standards.

SKIL Roto-Set Hammers

Features

1

MODEL 707 Roto-set Hammer

A lightweight hammer for setting self-drilling anchors; it's especially handy for overhead use and on ladders or scaffolding. Its most efficient range is $\frac{1}{4}$ " and $\frac{3}{8}$ " anchors although it can set $\frac{1}{2}$ " anchors. The Roto-set control engages or disengages the rotary action with a mere flip of the lever and completely eliminates manual rotation of the chuck, when setting self-drilling anchors.

- It's a complete rotary hammer, in addition to its self-drilling anchor setting capacity
- Excellent for use in cramped quarters because it's small and lightweight
- Completely sealed mechanism prevents lubricant loss and dirt entering
- Roto-set control enables operator to switch from hammer-drilling to hammer only, by flipping the lever. No need to stop action or change bits.
- Adjustable (360°) auxiliary handle for most convenient operating position

MODEL 732 Roto-set Hammer

Designed to make setting self-drilling anchors easier than ever, this husky, grease lubricated Roto-set Hammer will handle $\frac{1}{4}$ " to $\frac{7}{8}$ " self-drilling anchors. It contains the Roto-set control for engaging or disengaging the rotary action and completely eliminates manual rotation of the chuck when setting self-drilling anchors.

- Operates as complete rotary hammer, in addition to its self-drilling anchor setting capacity
- Externally adjustable clutch for setting safe torque level
- Completely sealed mechanism prevents lubricant loss and dirt entering
- Roto-set fingertip control enables operator to switch from hammer-drilling to hammer only by just flipping the lever. No need to stop action or change bits.
- All breather and exterior filters in barrel have been eliminated to reduce mechanism contamination and maintenance costs
- Adjustable (360°) auxiliary handle for most convenient operating position

Specifications

Switches:

Heavy-duty enclosed double pole trigger type

Bearings:

707: 4 ball; 5 oil impregnated
732: 7 ball; 3 oil impregnated; 1 roller

Equipment:

Steel carrying case, adjustable depth gauge, auxiliary side handle, anchor chuck adapter, dust protector, two dust shields
707: allen wrench, chisel adapter
732: side pipe—handle, hex wrench, clutch adjusting key

MODEL 707

MODEL 732

Model/Item Code No.	CAPACITIES			Blows Per Min.	Revolutions Per Minute	Amp Rating At 120V	Overall Length Inches	Net Wt. Lbs.	Ship. Wt. Lbs.
	Percussion Type Carbide Bits	Carbide Tipped Core Bits	Self-drilling Anchors						
707	$\frac{3}{16}$ "- $\frac{7}{8}$ "		$\frac{1}{4}$ - $\frac{3}{8}$ "	2,750	600	5.5	15	11 $\frac{1}{4}$	33 $\frac{3}{4}$
732	$\frac{3}{16}$ "-1 $\frac{1}{2}$ "	1"-2 $\frac{1}{2}$ "	$\frac{1}{4}$ - $\frac{7}{8}$ "	3,000	500	8	19 $\frac{1}{8}$	17	39 $\frac{1}{2}$

For Accessories, See Page 8-12

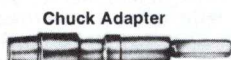
All Tools on this Page Comply With OSHA Standards.

SKIL Hammer Accessories

ROTO-set HAMMER ACCESSORIES



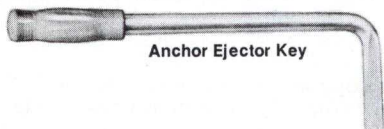
Blow-Out Bulb



Chuck Adapter



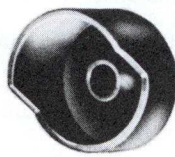
Chuck Head



Anchor Ejector Key



Drift Pin



Dust Collector

For Use On Model	Part/Item Code No.	Description	Recommended Use
	71003	Blow-Out Bulb	To remove concrete dust and chips from hole before setting anchor.
707 & 732	71004	Anchor Ejector Key	To remove "snap-off" section of self-drilling anchors.
707 & 732	71005	Drift Pin	Separating chuck head from chuck adaptor shank.
707	71007	Chuck Adapter	Will fit all size chuck heads.
732	71032	Chuck Adapter	Will fit all size chuck heads.
707 & 732	71014	1/4" Chuck Head	For 1/4" self-drilling anchors.
707 & 732	71516	5/16" Chuck Head	For 5/16" self-drilling anchors.
707 & 732	71038	3/8" Chuck Head	For 3/8" self-drilling anchors.
707 & 732	71012	1/2" Chuck Head	For 1/2" self-drilling anchors.
732	71058	5/8" Chuck Head	For 5/8" self-drilling anchors.
732	71034	3/4" Chuck Head	For 3/4" self-drilling anchors.
732	71078	7/8" Chuck Head	For 7/8" self-drilling anchors.
707 & 732	71879	Dust Shield	For overhead drilling with chuck adapter.

FULL PERFORMANCE GUARANTEE

ON PERCUSSION-TYPE CARBIDE AND CORE BITS

Each bit must perform for its full wear life (as determined by your SKIL Factory Service Center) and without carbide, body or shank breakage or an adjustment based on actual wear or breakage will

be made toward the purchase price of a similar new SKIL bit. Bring or send the worn or broken bit to your nearest SKIL Factory Service Center prepaid. All SKIL Factory Service Centers will honor this performance guarantee. Only exceptions are bits that have been misused or abused.



DRIVE SHANK

CORE BIT BODY

STARTER BIT

SKIL TWO-PIECE CARBIDE TIP CORE BITS

For faster masonry drilling and longer tip life

MORE CARBIDE TIPS PER BIT

This line of core bits has more carbide tips per bit to provide faster drilling and longer tip life. Unique spiral flute design provides improved guide for core bit body, less friction and better dust ejection.

USE WITH OTHER BRANDS OF ROTARY HAMMERS

Specially hardened drive shanks minimize metal fatigue. Shanks are available for other brands of rotary hammers, as indicated below, enabling

the improved SKIL core bit bodies to be used with any brand hammer. Special thread design makes removal of drive shank from core body quick and easy, without any special tools.

ONE STARTER BIT FITS ALL CORE BODIES FROM 1 1/2" TO 6"

This starter bit is spring loaded for fast easy starts. There is no adaptor bushing required and once the starter bit has served its purpose it may be easily removed from the core body without the use of special tools.

Core Body			Drive Shanks for SKIL and other makēs			
Dia. In.	Part/Item Code No.	Starter Bit No.	SKIL 726 Milw. 5300, 5310, 5305, 5315	SKIL 728, 731, 732, Rockwell 602, 1602 B&D 5048 Milw. 5325, 5326	SKIL 736	
1¼	73401	—	73420*	73418*	—	
1⅝	73402	—	73421†	73419†	—	
1½	73403	73422	} 73416* 73417†	} 73414* 73415†	} 73412* 73413†	
1¾	73404	73422				
2	73405	73422				
2½	73406	73422	—	—		—
3	73407	73422	—	—		—
3½	73408	73422	—	—		—
4	73409	73422	—	—		—
5	73410	73422	—	—		—
6	73411	73422	—	—		—

*Effective drilling depth—10"

†Effective drilling depth—16"

See page 10 for one-piece core bits.

SPECIAL FLUTED ONE PIECE PERCUSSION-TYPE CARBIDE BITS

A stronger, sharper tip combined with this special fluted design allows up to 50% faster drilling than conventional bits. These bits used in the Skil Roto-Hammer provide the fastest, lowest cost way to drill holes in masonry for drop-in anchors, fasteners and expansion shields. Holes are virtually flat (130°) bottomed for secure, accurate settings. Bits fit directly into hammer nose. No adapter needed.

For Use On Model	Part/Item Code No.	Point Dia., Inches	Max.† Depth Capacity, Inches	Length, Inches
SKIL 717	71979	3/8	6	9 7/8
	71980	1/2	4	7 7/8
	71981	1/2	10	13 7/8
	71982	1/2	16	19 7/8
	71983	5/8	6	9 7/8
	71984	5/8	10	13 7/8
	71985	5/8	16	19 7/8
	71986	3/4	6	9 7/8
	71987	3/4	10	13 7/8
	71988	3/4	16	19 7/8
SKIL 706, 707, 708, 1706	26906	3/8	3 1/16	8 1/2
	26907	3/8	5 1/16	11
	26909	1/2	5 1/16	11
	26910	1/2	11 1/16	16 1/2
	26911	9/16	5 1/16	11
	26912	5/8	5 1/16	11
Rockwell 600, 601, 1600	71976	1 1/16	3 3/8	7 7/16
	27196	3/4	2 1/16	8 1/4
	28684	7/8	2 7/8	8
B & D 5040-09				
SKIL 726 & MILW 5300, 5310, 5305, 5315	25500	1/2	5	13
	21759	1/2	10	18
	21760	1/2	14 1/2	22 1/2
	21761	9/16	5	13
	25501	5/8	5	13
	21763	5/8	10	18
	21764	5/8	14 1/2	22 1/2
	23534	7/16	3 3/8	11 3/8
	21765	1 1/16	5	13
	25502	3/4	4 7/8	13
	21767	3/4	9 7/8	18
	21768	3/4	14 3/8	22 1/2
	21769	7/8	4 7/8	13
	25274	7/8	9 7/8	18
	21770	7/8	14 3/8	22 1/2
	21771	1	4 7/8	13
	25275	1	9 7/8	18
	21772	1	14 3/8	22 1/2
SKIL 728, 731, & 732	21927	1 1/8	4 7/8	13
	27984	1 1/4	6 7/8	15
	27985	1 1/4	14 3/8	22 1/2
Rockwell 602, 1602	28500	1/2	5	13
	28501	1/2	10	18
	28502	1/2	14 1/2	22 1/2
	28504	9/16	5	13
	28506	5/8	5	13
	28507	5/8	10	18
	28508	5/8	14 1/2	22 1/2
	28510	1 1/16	5	13
	28512	3/4	4 7/8	13
	28513	3/4	9 7/8	18
	28514	3/4	14 3/8	22 1/2
	71977	2 7/32	4 7/8	10 1/4
	28517	7/8	4 7/8	13
	28518	7/8	9 7/8	18
	28519	7/8	14 3/8	22 1/2
	28520	1	4 7/8	13
	28521	1	9 7/8	18
B & D 5048	28522	1	14 3/8	22 1/2
	28523	1 1/8	4 7/8	13
	28524	1 1/8	9 7/8	18
	28526	1 1/4	6 7/8	15
	28527	1 1/4	14 3/8	22 1/2
	28531	1 1/2	14 3/8	22 1/2
MILW 5325, 5326				

For Use On Model	Part/Item Code No.	Point Dia., Inches	Max.† Depth Capacity, Inches	Length, Inches
SKIL 736	22782	3/4	4 7/8	14
	25277	3/4	8 7/8	18
	22783	3/4	14 7/8	24
	22785	7/8	14 7/8	24
	22786	1	4 7/8	14
	25253	1	8 7/8	18
	22787	1	14 7/8	24
	25251	1 1/8	8 7/8	18
	22791	1 1/4	14 7/8	24
	22795	1 1/2	15	24
	22799	2	14 3/4	24

EXTRA LONG BITS For drilling extra deep holes.

Caution: Always drill as deep as possible with standard bit, then proceed with extra long bit. Clear hole of dust often.

For Use On Model	Part/Item Code No.	Point Dia., Inches	Max.† Depth Capacity, Inches	Length, Inches
SKIL 728, 731, 732				
Rockwell 602	28681	3/4	22	28
B & D 5048				
SKIL 736	43719	1 1/4	22	28

"S" TAPER BIT ADAPTER SHANK

For Model	Part/Item Code No.
SKIL 706, 707, 708, 1706, Rockwell 600, B & D 5040	26426
SKIL 726, MILWAUKEE 5300	24918
SKIL 728, 731, 732, Rockwell 602	28613

No. 19368 DRIFT KEY—for removing "S" Taper Bits from adapter.

"A" TAPER PERCUSSION-TYPE CARBIDE BITS — 1/4" TO 5/8" DIAMETER

For use in drilling smaller diameter holes than possible with most one piece bits. Must be used with proper Adapter Shank (See page 20.)

Part/Item Code No.	Point Dia., Inches	Max.† Depth Capacity, Inches	Length, Inches
73258	3/16	1 1/2	3 3/8
19377	1/4	2 1/2	4 1/2
43135	1/4	4	6
19376	5/16	2 1/2	4 1/2
43136	5/16	4	6
19277	3/8	3	5
25255	3/8	6 1/2	9
19375	7/16	3	5
25254	1/2	3 1/2	5 1/2
20517	1/2	6 1/2	9
71141	9/16	4	6
43137	5/8	4	6
71978	1 1/16	6 1/2	9
71975	2 7/32	4	6

†**IMPORTANT**—Additional depth may be achieved by frequent dust removal. Failure to do this shortens bit life and can cause premature bit failure. Do not exceed 1" additional depth with Models 706, 707, 708, 717 & 1706 and "B" Taper Bits, or 2" additional depth with Models 726, 728, 731, 732 & 736.

SKIL Hammer Accessories

SKIL 717 ADAPTER



Part Item
Code No.

Allows use of Hilti bits in SKIL 717 hammer

71991

"A" TAPER BIT ADAPTER SHANK



For Model	Part Item Code No.
SKIL 706, 707, 708, 1706, B&D 5040-09, Rockwell 600, 601, 1600	26425
SKIL 726, Milwaukee 5300, 5310, 5305, 5315	19367
SKIL 728, 731, 732, Rockwell 602, 1602, B&D 5048, Milwaukee 5325, 5326	28614
SKIL 717	71989
Hilti TE17	71049

No. 19368 DRIFT KEY—for removing "A" Taper Bits from adapter.

"B" TAPER PERCUSSION-TYPE CARBIDE BITS— 1/2" TO 7/8" DIAMETER



For use in drilling smaller diameter holes than possible with most Model 736 one piece bits. Has new fluted design. Must be used with proper Adapter Shank.

Part/Item Code No.	Point Dia., Inches	Max.† Depth Capacity, Inches	Length Inches
19374	1/2	5 3/8	9
19382	1/2	14 3/8	18
19381	3/4	14 3/8	18
19275	5/8	5 3/8	9
19380	5/8	14 3/8	18
19372	1 1/8	5 3/8	9
18969	3/4	5	9

1-PIECE CARBIDE TIP CORE BITS



Hollow-core percussion-type carbide tipped bits for drilling big masonry holes at lowest cost per hole. No expensive rig equipment needed. Heat treated alloy steel with carbide inserted around perimeter. Specially made to stand up under combination hammering and power rotation of SKIL Roto-Hammers. Super tough for drilling right through steel reinforcing rods embedded in concrete. (Maximum size reinforcing rod which may be cut with SKIL Models 726, 728 & 731, 732—1/2".)

Note: Replacement Carbide tips for Core Bits are available from your SKIL Factory Service Center.

For Use On Model	Part/Item Code No.	Dia., Inches	Effective Drilling Depth, Inches	Overall Length, Inches
SKIL 726, Milwaukee 5300, 5310, 5305, 5315	73423 73424	1 1 1/8	10 10	15 1/2 15 1/2
SKIL 728, 731, 732, Rockwell 602, 1602, B & D 5048, Milwaukee 5325, 5326	73425 73426	1 1 1/8	10 10	15 1/2 15 1/2

†**IMPORTANT**—Additional depth may be achieved by frequent dust removal. Failure to do this shortens bit life and can cause premature bit failure. Do not exceed 2" additional depth with Models 726, 728, 731, 732 & 736.

"B" TAPER BIT ADAPTER SHANK



For Model	Part Item Code No.
SKIL 726, Milwaukee 5300, 5310, 5305, 5315	18932
SKIL 728, 731, 732, Rockwell 602, 1602, B & D 5048, Milwaukee 5325, 5326	73268
SKIL 736	23061
Hilti TE17	71050

No. 19368 DRIFT KEY—for removing "B" Taper Bits from adapter.

HAMMERING TOOLS

Provide hammering without rotary action for performing a wide variety of jobs. When used with Model 706, 1706 or 708 must be inserted through No. 26427 Hammering Tool Adapter. When used with Model 726, 728, 731, 732, 736, 737, and 2220 chuck directly into hammer nose. When used with Model 707, hammering tools must be used with 71010 hammering tool adapter.

HAMMERING TOOL ADAPTER—

No. 26427—For using hammering tools with SKIL Models 706, 708 and 1706.

No. 71010—For using Hammering tools with SKIL Model 707 Roto-set Hammer.



BULL POINT—For demolition.



For Use On Models	Part/Item Code No.	Length and/or Tool Sizes, Inches
SKIL 706, 707, 708, 1706, B & D 5040-09, Rockwell 600, 601, 1600	26931	7 1/2
SKIL 726, Milwaukee 5300, 5310, 5305, 5315	22134 22135	12 18
SKIL 628, 728, 729, 731, 732, Rockwell 602, 1602, B & D 5048, Milwaukee 5325, 5326	28623 28624	12 18
SKIL 736, 737	73350 73351 73352	14 20 30
SKIL 2220 B & D 5025 Milwaukee 5330	73376 73377	12 18

BUSHING TOOL—

For surfacing concrete



1-PIECE TYPE

For Use On Models	Part/Item Code No.	Length and/or Tool Sizes, Inches
SKIL 726, Milwaukee 5300, 5310, 5305, 5315	28499	8 x 1 1/4 sq.
SKIL 628, 728, 729, 731, 732, Rockwell 602, 1602, B & D 5048, Milwaukee 5325, 5326	28635	8 x 1 1/4 sq.
SKIL 736, 737	73353	9 3/8 x 1 1/2 sq.

SKIL Hammer Accessories

1

COLD CHISEL—For chipping, edging, channeling



For Use On Models	Part/Item Code No.	Length and/or Tool Sizes, Inches
SKIL 706, 707, 708, 1706, B & D 5040-09, Rockwell 600, 601, 1600	26428	7½ x ½
SKIL 726, Milwaukee 5300, 5310, 5305, 5315	22138 22139 23600	11 x ⅝ 11 x ⅞ 18 x ⅝
SKIL 628, 728, 729, 731, 732, Rockwell 602, 1602, B & D 5048, Milwaukee 5325, 5326	28627 28628	12 x ¾ 20 x ¾
SKIL 736, 737	73355	14 x 1
SKIL 2220 B & D 5025 Milwaukee 5330	73379 73380	12 x 1 18 x 1

SCALING CHISEL—For removing scale and weld spatter and breaking web between pre-drilled holes in demolition work.



For Use On Models	Part/Item Code No.	Length and/or Tool Sizes, Inches
SKIL 706, 707, 708, 1706, B & D 5040-09, Rockwell 600, 601, 1600	26434	7¼ x 1¼
SKIL 726, Milwaukee 5300, 5310, 5305, 5315	22141 22142 22143	11 x 1¼ 11 x 1½ 11 x 2
SKIL 628, 728, 729, 731, 732, Rockwell 602, 1602, B & D 5048, Milwaukee 5325, 5326	28630 28631 28632	12 x 1¼ 12 x 1½ 12 x 2
SKIL 736, 737	73359 73360 73361	14 x 1½ 14 x 2 14 x 2½
SKIL 2220 B & D 5025 Milwaukee 5330	73382 73383 73384	12 x 1½ 12 x 2 12 x 2½

WOOD CHISEL—
For gouging and shaping



For Use On Models	Part/Item Code No.	Length and/or Tool Sizes, Inches
SKIL 726, Milwaukee 5300, 5310, 5305, 5315	22140	11 x 2
SKIL 736, 737	73357	14 x 2
SKIL 2220 B & D 5025 Milwaukee 5330	73386	12 x 2

GROUND ROD ADAPTER—For driving ⅝" and ¾" ground rods into earth.



For Use On Models	Part/Item Code No.	Length and/or Tool Sizes, Inches
SKIL 736, 737	71031	10⅞
SKIL 2220 B & D 5025 Milwaukee 5330	73389	9½

CHISEL LOCK ASSEMBLIES Required for using hammering tools—furnished with SKIL Models 706, 1706 & 726.
No. 26432—for SKIL Models 706, 708 & 1706.
No. 23471—for SKIL Model 726.



MORTAR CHISEL—For cleaning out old mortar between bricks and masonry seams before repointing.



For Use On Models	Part/Item Code No.	Length and/or Tool Sizes, Inches
SKIL 706, 707, 708, 1706, B & D 5040-09, Rockwell 600, 601, 1600	26435	7½ x ⅞
SKIL 726, Milwaukee 5300, 5310, 5305, 5315	22144	11 x ⅞
SKIL 628, 728, 729, 731, 732, Rockwell 602, 1602, B & D 5048, Milwaukee 5325, 5326	28633	12 x ⅞
SKIL 736, 737	73358	14 x 1½
SKIL 2220 B & D 5025 Milwaukee 5330	73381	15 x 1½

CLAY SPADE



(CURVED SHOVEL)—For digging hard or frozen earth.

For Use On Models	Part/Item Code No.	Length and/or Tool Sizes, Inches
SKIL 628, 728, 729, 731, 732, Rockwell 602, Milwaukee 5325, 5326	43134	16½ x 3½
SKIL 736, 737	73363	19½ x 4
SKIL 2220 B & D 5025 Milwaukee 5330	73387	18 x 4

SKIL Hammer Accessories

SLOTTING TOOL—For slotting in concrete and breaking web between pre-drilled holes for enlarging openings.



For Use On Models	Part/Item Code No.	Length and/or Tool Sizes, Inches
SKIL 726, Milwaukee 5300, 5310, 5305, 5315	22136	15 x 1 1/8
SKIL 728, 731, 732, Rockwell 602, 1602, B & D 5048, Milwaukee 5325, 5326	28626	15 x 1 1/8
SKIL 736, 737	73362	19 x 1 1/2
SKIL 2220 B & D 5025 Milwaukee 5330	73385	15 x 1 1/2

DUST SHIELDS—keep dust out of hammer nose. Very useful on overhead work.



No. 73288 — for bits from 3/4" to 2" dia. SKIL Models 726, 728, 731, 732, 736, 737, 2220 when using hammering tools.

No. 73290 — for bits up to 3/4" dia. SKIL Models 726, 728, 731, 732 when using hammering tools.

No. 71818 — for Models 707-732 with carbide bits or hammering tools.

TOOL RETAINERS—for holding bits, adapters, hammer tools in place.
No. 26323—for SKIL Models 706 & 1706.
No. 20511—for SKIL Model 726.



GEARED CHUCKS & ADAPTERS FOR ROTO-HAMMERS



Permit Roto-Hammers to be used as electric drills for drilling wood, steel, tile, plastic, masonry. Order both chuck adapter and drill chuck.

For Use On SKIL Models	Capacity, Inches	Chuck Adapter Only, Part/Item Code No.	Drill Chuck & Key Only, Part/Item Code No.
706, 1706	3/8	26377	73249
726	1/2	22174	71883
728, 731, 732	1/2	28616	71863
717	1/2	71990	71863

CARRYING CASES—standard equipment with all hammers

Hammer Drill Accessories

PERCUSSION CARBIDE BITS

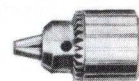
High quality bits designed to take the impact and rotation forces exerted by hammer-drills. Hardened alloy steel body, percussion carbide tip and special fluting for fast drilling and extremely long life.



For Use On Models	Part Item Code No.	Point Dia. Inches	Shank Dia.	Max.† Depth Capacity, Inches	Length, Inches
SKIL 212, 219, 222, 446 and other brands	73287	1/8	1/8	1 1/2	2 3/4
	29900	3/16	3/16	1 3/4	4
	29901	1/4	1/4	2 1/2	4
	29922	1/4	1/4	4 1/4	6
	29903	5/16	1/4	2 1/2	4
	29923	5/16	1/4	4 1/4	6
	29904	3/8	1/4	2 1/2	4
	29924	3/8	1/4	4 1/2	6
	29925	3/8	1/4	10 1/8	12
	29907	1/2	3/8	4 1/4	6
	29926	1/2	3/8	10 1/8	12
	29910	5/8	1/2	4 1/4	6
	29912	3/4	1/2	4 1/4	6
	29914	7/8	1/2	4 1/4	6

GEARED CHUCKS FOR HAMMER-DRILLS

Same as supplied with tool.



For Use On SKIL Models	Capacity, Inches	Chuck & Key Part/Item Code No.	Key Only, Part/Item Code No.
212, 219, 222	3/8	73249	3766
212T3	3/8	71089	1758
446, 624	1/2	29854	71861

CARRYING CASES—for Hammer Drills.

No. 72898—for SKIL Models 212, 219 & 222

No. 69028—for SKIL Model 446.

LUBRICANTS—Roto and Demo Hammers and Hammer Drills.

For Use On SKIL Models	Part/Item Code No.
SKIL Models 628, 726, 728 (thru T6), 729, 731, 732, 736, 737, 2220 gear case only	71895 2 lb. can
all types—cylinder and piston except 728-T5 & T6, 731, 732-T1 & T2	20525 pint 23144 1/2 gal.
SKIL Models 706, 707, 708, 728-T5 & T6, 731, 732, all types—gear case and barrel	71895 2 lb. can
SKIL Models 212, 219, 222: gear case and hammering mechanism	252 5 3/8 oz. tube 251 2 lb. can
SKIL Models 446, 624: gear case and hammering mechanism	71895 2 lb. can
SKIL Model 2220 hammering mechanism oil impregnated bearing	20525 pint
SKIL Model 717	71992 pint

SKIL Hammer Drills

1

MODEL 212

MODEL 212-1 KIT

Includes 212 hammer drill with the equipment shown in specifications below, plus steel carrying case.

MODEL 219
MODEL 222

MODEL 219-1 KIT

Includes model 219, the equipment shown below in specifications plus a carbide tipped drill bit and steel carrying case

MODEL 446

MODEL 446-1 KIT

Includes model 446, the equipment shown below in specifications plus a carbide tipped drill bit and steel carrying case

Features

MODEL 212 3/8" TWO SPEED

- Simple-to-use speed selector lever flips to high or low
- Double insulated for increased operator protection
- Hammering intensity can be varied for fragile stone or close to an edge to help prevent chipping or spalling
- Can also be used as two-speed 3/8" drill without hammering action
- Handy tool for contractors who install lighting fixtures or suspended ceilings

MODEL 219 3/8" SINGLE SPEED

MODEL 222 3/8" VARIABLE SPEED

- New ratcheting mechanism for quick disengagement of hammer-drilling and drill-only modes
- New high performance, Super Duty, Burnout Protected motor for more dependable life
- New venting system allows cooler running and longer tool life
- New high strength polycarbonate, insulated handle offers greater comfort and safety
- New recessed locking button for added safety and convenience
- New cord and strain relief retainer helps prevent cord pull outs
- New adjustable depth gauge and auxiliary handle system can be mounted on either side for fast and easy adjustments
- New heavy duty 6 amp. switch will stand up to hard use
- New serialized nameplate helps prevent theft
- Precision geared heavy-duty industrial chuck for positive bit retention and accurate drilling
- All ball and needle bearing construction for smoother performance and longer life
- Double reduction helical and spur gearing of heat treated alloy steel for the toughest applications

MODEL 446 1/2" SINGLE SPEED

- High torque performance to handle bits up to 7/8"
- Longer housing design more readily absorbs torque reaction for safer operation
- Three-position auxiliary handle mounts on either side or top
- Selector lever converts from hammer-drill to drill
- Can operate as high torque 1/2" drill
- Insulated handle offers greater comfort and safety

Specifications

Switch:

Enclosed momentary contact trigger with locking button. 212 and 222 are AC only.

Bearings:

Models 219 and 222 have 4 ball, 3 roller, 2 oil impregnated. Model 446 has 4 ball, 3 needle, 1 oil impregnated. Model 212 has 3 ball, 3 oil impregnated.

Equipment:

All models have geared chuck with key, adjustable depth gauge and auxiliary side handle. Model 446 also has a key holder and hex wrench.

Model Item Code No.	Duty Rating	Cap. In Steel	Cap. In Concrete	No-Load r.p.m.	Blows Per Minute	Amp Rating at 120V	Overall Length Inches	Net Weight Lbs.	Ship. Weight Lbs.
212	heavy	3/8"	1/2"	1,000-3,000	11,000-32,000	4	11 5/8"	5 1/2	7
219	super	3/8"	1/2"	2,100	63,000	4	10"	4 1/3	5
222	super	3/8"	1/2"	0-2,100	0-63,000	4	10"	4 1/3	5
446	heavy	1/2"	7/8"	1,200	21,600	6	17"	7 3/4	10 3/8

Kit Shipping Weights: Model 219-1, 12 lbs.; Model 212-1, 13 lbs.; Model 446-1, 18 lbs.

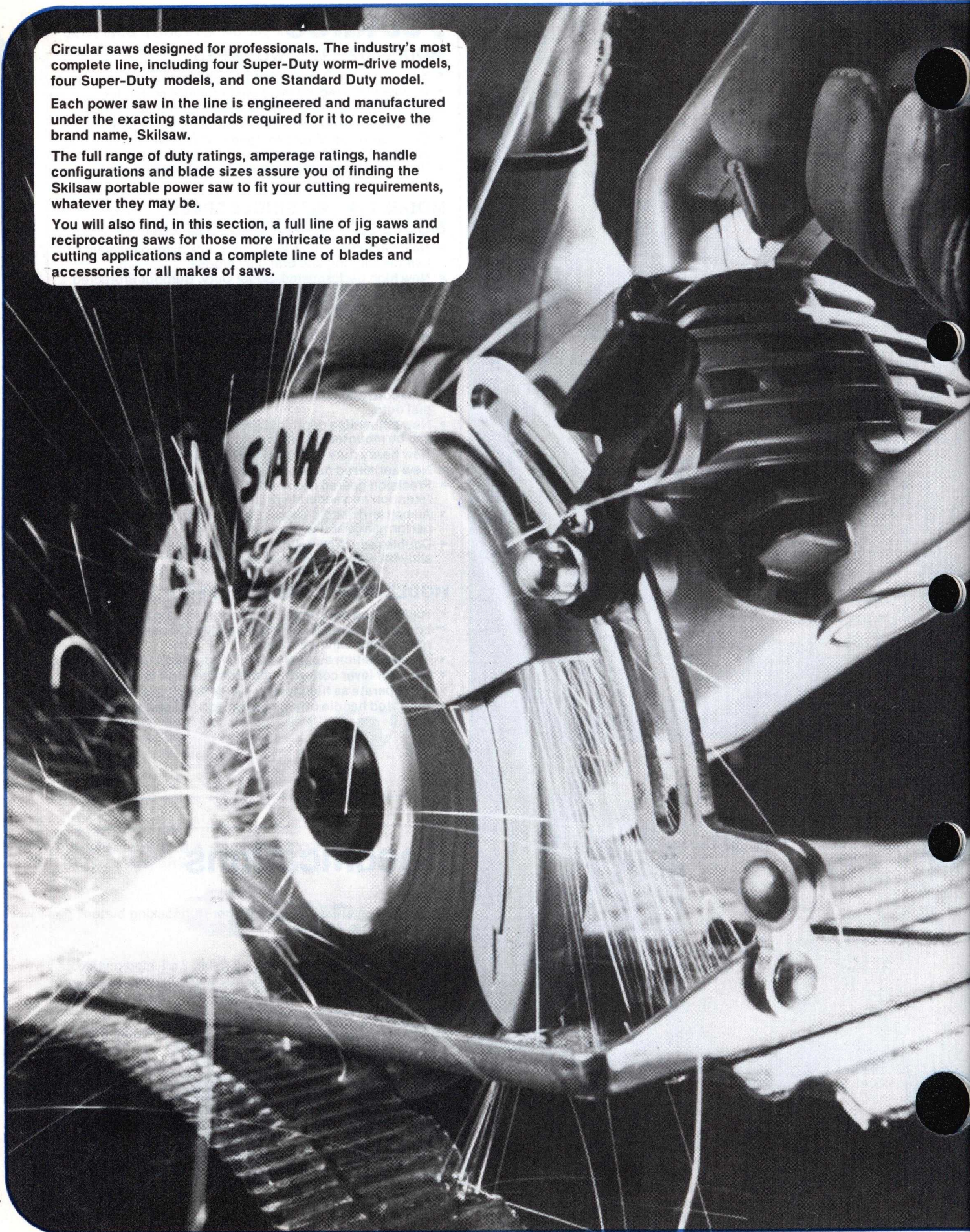
SKILSAW® Power Saws

Circular saws designed for professionals. The industry's most complete line, including four Super-Duty worm-drive models, four Super-Duty models, and one Standard Duty model.

Each power saw in the line is engineered and manufactured under the exacting standards required for it to receive the brand name, Skilsaw.

The full range of duty ratings, amperage ratings, handle configurations and blade sizes assure you of finding the Skilsaw portable power saw to fit your cutting requirements, whatever they may be.

You will also find, in this section, a full line of jig saws and reciprocating saws for those more intricate and specialized cutting applications and a complete line of blades and accessories for all makes of saws.



SKILSAW Super Duty Worm Drive Saws



MODEL 77 7 1/4"

MODEL 77-72 With twist lock plug

MODEL 77-84 220/240-volt version



MODEL 367 6 1/2"



MODEL 825 8 1/4"

MODEL 825-84 220/240-volt version

Features

All three worm-drive saws on this page have these important features.

• HIGH TORQUE GEARS

High-torque worm-drive gears transmit full power from motor to blade. Worm-drive is the most rugged gearing system used in portable circular saws and has the capacity to take severe shock loads, which would put other saws out of service.

• BURNOUT PROTECTED MOTOR

Powerful Burnout Protected Motor has unique dual field coil windings, which increase motor power by 30% without any increase in the physical size of the motor.

• AIR-FLOW HOOD

Cool air is sucked in through rear vents, directed by the air-flow hood, over the gear case to dissipate heat build-up and discharged out the front to clear the line of cut.

• OIL LEVEL CONTROL

Oil filler, located on side of tool, offers easy access for keeping gear case filled to correct oil level.

• OIL-PRESSURE RELIEF BELLOWS

The exclusive Skilsaw oil-pressure-relief bellows, in the gear case, relieves any oil pressure build-up, for better running performance and no oil seepage.

• BRUSH HOLDERS

Brush holders located on sides of housing for convenient brush removal, inspection and replacement, when necessary.

• HEAVY-DUTY SWITCH

Heavy-duty, dust resistant, double-pole 20 amp. switch is designed for longer life and to resist burn-out.

• BLADE LOCK

Push-button, conveniently located in front end, locks blade shaft for easy blade changing.

• TELESCOPING LOWER GUARD

The exclusive Skil telescoping lower guard system automatically retracts when the foot is set for bevel cuts. This makes it unnecessary to raise the guard manually.

• INSULATED HANDLES

Textured for more positive gripping.

• VARI-TORQUE CLUTCH

Adjustable clutch helps protect motor and gears against damage should blade bind in the cut.

• HEAVY-DUTY FOOT

Heavy gauge ribbed steel, wrap-around foot for added strength. Extended front of foot facilitates squaring saw before cutting.

• BEVEL AND DEPTH CONTROLS

Heavy-duty bevel and depth adjustment controls are large latch type, which can be easily and accurately set.

Specifications

Switch: Heavy-duty enclosed momentary contact trigger type, AC-DC.

Bearings: All have 5 heavy duty, precision ball bearings.

Equipment: Combination blade, blade wrench.

Arbor: SKIL diamond arbor.

Model/ Item Code No.	Blade Dia.	Depth of Cut At 90°	Depth of Cut At 45°	No Load Speed, RPM	Output Torque Ft. Lbs.	Amp Rating At 120V.	Overall Length	Net Wt. Lbs.	Ship. Wt., Lbs.
77	7 1/4"	1/16 to 2 3/8"	1 1/16"	4400	25	13	17"	15	19
367	6 1/2"	1/16 to 2"	1 3/4"	4600	19.6	12	16 5/8"	14 1/2	18 1/2
825	8 1/4"	1/8 to 2 7/8"	2 1/4"	4300	25.5	13	18 1/8"	18 1/2	22 1/4

For Accessories, See Page 18-21

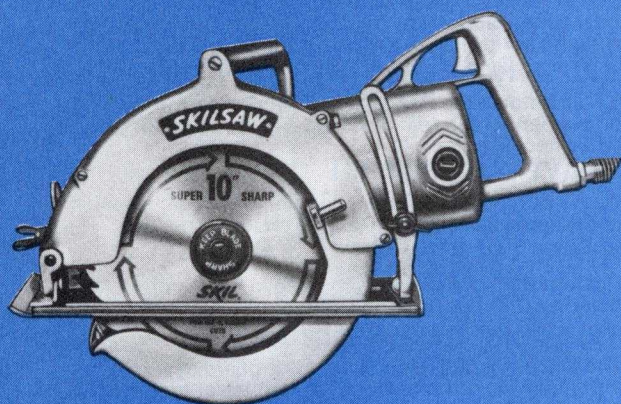
All Tools on this Page Comply With OSHA Standards.

2

SKILSAW Super Duty Saws



MODEL 860



MODEL 107



MODEL 559

Features

MODEL 860 SUPER-DUTY

- Heavy-duty, precision-type ball and needle bearings
- Hardened helical gears deliver full torque to blade
- "Vari-Torque" clutch protects motor and gears, should blade bind
- "Saf-T-Gard" upper guard protracts to cover blade during shallow cuts
- Telescoping lower guard retracts automatically with start of each cut, including bevel cuts
- Push-button blade lock prevents shaft from turning; makes changing blade easy
- Vertical-lift top handle for depth adjustment maintains handle in position regardless of depth or angle of cut
- Burnout Protected Motor delivers smooth, dependable, full power under the toughest use
- Built in blower ejects chips and sawdust away from operator and keeps line of cut clear
- Brush holders located for fast, easy brush inspection
- Large control knobs for depth and bevel adjustment are conveniently located and simple to use
- Heavy-gauge aluminum wrap-around foot assures stable support at any angle

MODEL 107 SUPER-DUTY

This 10" worm-drive saw has the same construction as those shown on page 15. It includes all the features which are fully explained on that page; these include:

- High Torque Gears
- Burnout Protected Motor
- Air-Flow Hood
- Oil Level Control
- Oil-Pressure Relief Bellows
- Conveniently Located Brush Holders
- Heavy-Duty Switch
- Blade Lock
- Telescoping Lower Guard
- Insulated Handles
- Vari-Torque Clutch
- Heavy-Duty Foot
- Bevel and Depth Controls

MODEL 559 STANDARD-DUTY

- Economical model designed for light professional use
- Double insulated for added safety
- Safety switch helps prevent accidental starts
- Safety guard stop helps minimize blade exposure
- Lower guard lift-lever located away from blade for increased safety
- Vari-Torque clutch helps protect motor and gears should blade bind
- Burnout Protected Motor

Specifications

Switch:

Models 107, 860 have heavy-duty enclosed momentary contact trigger type, AC-DC.

Model 559 has enclosed momentary contact trigger type AC only.

Bearings:

Model 107 has 5 heavy-duty, precision ball bearings.

Model 559 has 2 ball, 2 oil impregnated.

Model 860 has 3 ball, 1 needle.

Equipment: Combination blade, blade wrench.

Arbor:

Model 107 has SKIL diamond arbor.

Model 559 has 5/8" round.

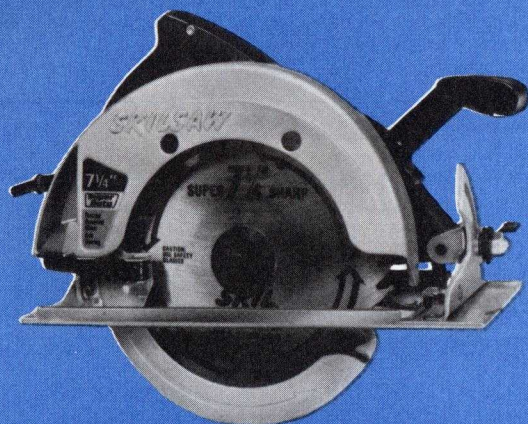
Model 860 has 3/4" round.

Model Item Code No.	Blade Dia.	Depth of Cut At 90°	Depth of Cut At 45°	No Load Speed, RPM	Output Torque Ft. Lbs.	Amp Rating At 120V	Overall Length	Net Wt. Lbs.	Ship. Wt., Lbs.
107	10"	1" to 3 3/8"	2 5/8"	3400	40	15	21"	29 3/4	38 3/4
559	7 1/4"	0" to 2 7/16"	1 7/8"	5500	12	10	10 1/2"	9 1/8	10 7/8
860	10 1/4"	1" to 3 7/8"	2 7/8"	5400	18	14	14"	17 1/2	22

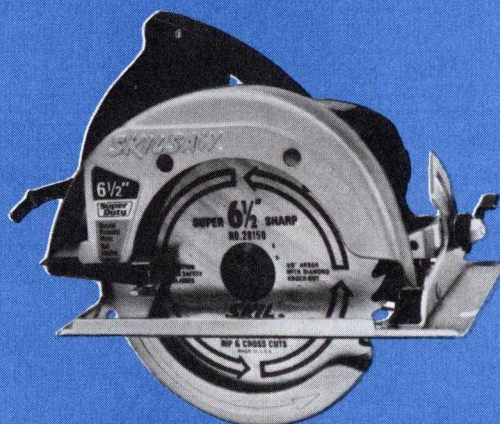
SKILSAW Super Duty Saws

Features

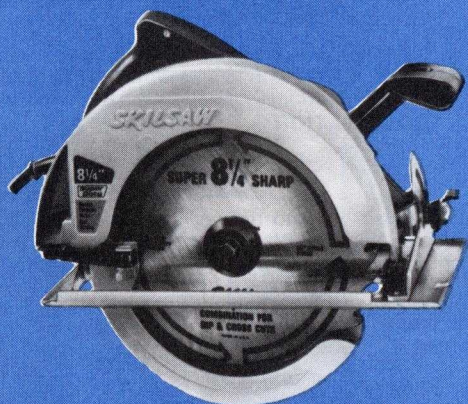
2



MODEL 867



MODEL 866



MODEL 868

MODEL 867 7 1/4" SUPER-DUTY
MODEL 866 6 1/2" SUPER-DUTY
MODEL 868 8 1/4" SUPER-DUTY

- **Bearings**
Heavy-duty, precision-type ball and needle bearings for smooth running and longer wear
- **Gearing**
Helical gears of hardened alloy steel deliver full power to the blade
- **Depth and Bevel Controls**
Long, sturdy, lever-type controls allow fast, accurate depth and bevel settings. No wing nuts to loosen and tighten
- **Insulated Gripping Surfaces**
Handles and motor housing are made of high impact-strength polycarbonate, a material which is a non-conductor of electricity
- **Telescoping Lower Guard**
Lower guard automatically retracts partially when base is set for bevel cuts. This makes it unnecessary to manually raise the guard to make this cut
- **"Vari-Torque" Clutch**
Allows blade to slip on blade shaft, if blade binds in the cut
- **Blade Lock**
Push-button blade lock prevents shaft from turning to make changing blade easy
- **Burnout Protected Motor**
Armature connections are welded; not soldered, and the motor windings are dip-coated in a tough polyester resin insulation. This Skil-built motor can withstand overloads without damage
- **Sawdust Ejection System**
Built-in blower directs sawdust away from operator and also clears the line of cut
- **Wrap-Around Foot**
Extra heavy gauge steel foot is formed and ribbed for added strength and rigidity
- **Brush Holders**
Conveniently located brush holders for easy inspection and replacement

Specifications

Switch: Enclosed momentary contact trigger type AC/DC Switches.

Bearings: Models 866, 867, 868; 3 ball; 1 needle.

Equipment: Combination blade, blade wrench.

Arbor: 5/8" round.

Model/ Item Code No.	Blade Dia.	Depth of Cut At 90°	Depth of Cut At 45°	No Load Speed, RPM	Output Torque Ft. Lbs.	Amp Rating At 120V	Overall Length	Net Wt., Lbs.	Ship. Wt., Lbs.
866	6 1/2"	1/16" to 2 1/8"	1 3/4"	5800	14	10	10 3/4"	10 1/2	14
867	7 1/4"	1/16" to 2 3/8"	1 7/8"	5200	15	12	12"	13 1/2	15 1/4
868	8 1/4"	1/16" to 2 7/8"	2 1/8"	5200	18	13	12"	13 3/4	16

For Accessories, See Page 18-21.

All Tools on this Page Comply With OSHA Standards.

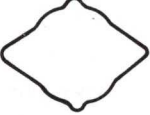


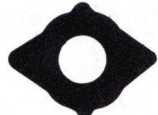
SKILSAW Circular Saw Blades

FOR SKIL AND OTHER MAKES OF POWER SAWS

Skil saw blades are produced to the most exacting standards in our own manufacturing plants. Only highest

quality alloy steels are used. Rigid specifications control manufacturing. Blades are heat treated for best performance and longer life.

ARBOR (CENTER OPENINGS) STYLES

	DIAMOND HOLE BLADES—Have diamond shaped center hole, only for portable saws.
	ROUND HOLE BLADES—Have round shaped center hole only, for either 1/2", 5/8" or 3/4" round arbor portable and bench saws.
	MULTI-ROUND HOLE BLADES—Have round "Knock-Out" bushings only, for either 5/8", or 1" round arbor portable and bench saws.
	"KNOCK-OUT" DIAMOND AND ROUND HOLE BLADES—Have diamond and round "Knock-Out" bushings for either diamond, or 5/8" round arbor portable and bench saws.

ARBOR SIZES FOR SKILSAW MODELS

Arbor	Current Models	Former Models
1/2" Round	—	504, 533, 604
5/8" Round	534, 537, 538, 574, 559, 552 (type 9 and up), 553 and 554 (type 6 and up), 856 (type 2), 857 and 858 (type 3), 866, 867, 868.	416, 417, 502, 536, 836
3/4" Round	860 (type 3).	117
Diamond	367, 77, 825, 107	127, 2127

NEW! HARD TOOTH STAY SHARP BLADES Extra hard teeth stay sharp 3 to 4 times longer. Can be resharpened only by grinding.

CHISEL TOOTH COMBINATION



For cross-cut and rip work. Especially good for tempered laminates, exterior plywood and other materials that tend to dull blades rapidly.

Part/Item Code No.	Dia. Inches	Arbor Size, Inches	No. Teeth
71997	6 1/2	5/8 Rd.	20
71998	7 1/4	5/8 Rd.	24
71999	8 1/4	5/8 Rd.	28

SKIL TOOTH COMBINATION



For cross-cut and rip work. Most frequently used for general carpentry.

Part/Item Code No.	Dia. Inches	Arbor Size, Inches	No. Teeth
72000	6 1/2	5/8 Rd.	36
72001	7 1/4	5/8 Rd.	40

PLYWOOD



(Flat ground) for cutting plywood, veneer and fiberboard without tearing or splintering.

Part/Item Code No.	Dia. Inches	Arbor Size, Inches	No. Teeth
72003	6 1/2	5/8 Rd.	150
72004	7 1/4	5/8 Rd.	160

CARBIDE-TIPPED BLADES



These remarkable blades stay sharp up to 30 times longer in cutting new lumber. For excellent service in hard-to-cut materials like asbestos sheets, asphalt siding and other semi-abrasive products that quickly dull regular blades. Cannot be used for stone, masonry, metal or wood where nails may be encountered.

CARBIDE-TIPPED BLADES

Part/Item Code No.	Dia., Inches	Arbor Size, Inches	No. Teeth
18550	6 1/2	5/8 Rd.	6
29349	6 1/2	5/8 Rd.	12
7997	7 1/4	5/8 Rd.	8
9590	7 1/4	5/8 Rd.	18
7998	8 1/4	5/8 Rd.	8
9598	8 1/4	5/8 Rd.	20
29354	10	5/8, 3/4 Rd.	20

NEW

CARBIDE-TIPPED COMBINATION BLADES

New low-priced carbide blades. Combination tooth style with welded tips for many times the service life of alloy steel blades. Teeth are ground and set for chip clearance and easy cutting.

No.	Dia.—In.	Arbor Size—In.	No. Teeth
71866	6 1/2	5/8 Rd.	20
71867	7 1/4	5/8 Rd.	24
71868	8	5/8 Rd.	24
71869	9	5/8 Rd.	32
71870	10	5/8, 3/4 Rd.	36

COMBINATION



For cross-cut and rip work. Most frequently used SKIL Saw Blade for general carpentry.

Part/Item Code No.	Diameter, Inches	Arbor Size, Inches	No. Teeth
17012	4 1/4	1/2 Rd.	20
20677	5 1/2	1/2 Rd.	36
376	5 1/2	5/8 Rd.	36
16122**	6 1/2	5/8 Rd.	36
28150*	6 1/2	5/8 Rd.	36
377**	7 1/4	5/8 Rd.	40
13247*	7 1/4	5/8 Rd.	40
13855*	8 1/4	5/8 Rd.	40
12612	9	5/8, 3/4 Rd.	44
380	10	5/8 Rd.	44
42895	10 1/4	5/8, 3/4 Rd.	44
12614	12	5/8, 3/4 Rd.	44
382	12	5/8	44

*Volume Users: These blades also available in 100 or more bulk quantity. Ask your Skil Distributor for details.

**Available in bulk quantity only.

RIP



For fastest cutting with grain. Tooth shape similar to combination blade, but with larger teeth for better chip clearance and less binding.

Part/Item Code No.	Dia. Inches	Arbor Size, Inches	No. Teeth
18553	6½	◆, ⅝ Rd.	30
19259	7¼	◆, ⅝ Rd.	32
19261	8¼	◆, ⅝ Rd.	32

FINE-TOOTH



For fine cut-off work; cutting Celotex or similar soft wallboard; ⅛" or thinner plastic materials.

Part/Item Code No.	Dia. Inches	Arbor Size, Inches	No. Teeth
12670	6	◆, ⅝ Rd.	150
28162	6½	◆, ⅝ Rd.	150
28163	7¼	◆, ⅝ Rd.	160
12671	8	◆, ⅝ Rd.	176

FLOORING



For repairing old floors, cutting crating or used lumber where nails are occasionally encountered. Use of 1 to 2 inch undersize blade recommended.

Part/Item Code No.	Dia. Inches	Arbor Size, Inches	No. Teeth
28160	6½	◆, ⅝ Rd.	70
358	7¼	◆, ⅝ Rd.	76

PANELING



For smooth, splinter-free cutting of plywood and other laminates. Hollow ground, extra fine teeth leave a smooth cut that often eliminates further finishing.

Part/Item Code No.	Dia. Inches	Arbor Size, Inches	No. Teeth
26170	5½	◆, ½ Rd.	110
28156	6½	◆, ⅝ Rd.	150
28157	7¼	◆, ⅝ Rd.	160
28158	8	◆, ⅝ Rd.	176

METAL CUTTING BLADES

Best when used with SKIL Super-Duty Worm-Drive Saws. Hollow ground.

COARSE TOOTH (nonferrous metals)



For ⅝" and thicker aluminum, magnesium or lead. Coarse mill type tooth. MUST BE USED WITH LUBRICANT.

Part/Item Code No.	Dia. Inches	Arbor	No. Teeth
18548	6½	◆, ⅝ Rd.	30
9813	7¼	◆, ⅝ Rd.	32
17007	8¼	◆, ⅝ Rd.	32

FINE TOOTH (nonferrous metals)



For copper, brass, ⅜" or thinner aluminum and magnesium, ⅛" and thicker plastics. Fine mill type tooth. MUST BE USED WITH LUBRICANT.

Part/Item Code No.	Dia. Inches	Arbor	No. Teeth
18549	6½	◆, ⅝ Rd.	90
9814	7¼	◆, ⅝ Rd.	100
17008	8¼	◆, ⅝ Rd.	100

FRICTION (ferrous metals)



For cutting light gauge flat or corrugated steel sheets such as metal roofing. Use only on 7¼" or larger Worm Drive Saws.

Part/Item Code No.	Dia. Inches	Arbor	No. Teeth
9768	5⅝	◆, ⅝ Rd.	72
28164	7	◆, ⅝ Rd.	72
9769	8	◆, ⅝ Rd.	76

CROSS-CUT



For smoother cross-grain cuts. Also for use as rip and cut-off blade on extremely hard woods.

Part/Item Code No.	Dia. Inches	Arbor Size, Inches	No. Teeth
18552	6½	◆, ⅝ Rd.	70
19258	7¼	◆, ⅝ Rd.	76
12256	8¼	◆, ⅝ Rd.	80

MITER OR "PLANER"



For smoothest cut cross grain or rip. Hollow ground for accurate rather than fast cutting. May be used for cutting soft aluminum or copper with lubricant.

Part/Item Code No.	Dia. Inches	Arbor Size, Inches	No. Teeth
18554	6½	◆, ⅝ Rd.	50
19260	7¼	◆, ⅝ Rd.	60
12257	8¼	◆, ⅝ Rd.	60
12642	9	◆, ⅝ Rd.	70
12643	10	◆, ⅝ Rd.	80

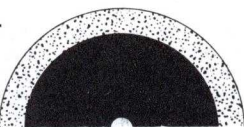
KNIFE BLADES



For cotton sampling; also for cutting rubber (up to ¼" thick), Neoprene, rugs, fabrics and related materials. No 16293 is beryllium copper, non-sparking.

Part/Item code no.	Dia. Inches	Arbor
16293	5⅝	◆

PERMA-GRIT BLADES



5 tools in 1!—saw, sand, shape, dado, plough! No teeth to snag or kickback. Tungsten carbide grit is copper-bonded to edge and sides . . . cut and sand in one operation. Provide fast, smooth cuts with long blade life when cutting thin veneers, plywood, hardwood, fiberglass and plastics. **Cannot be used for metal or stone cutting.**

For cutting applications only. Abrasive grit is on edge and ½" down from edge on both sides.

Part/Item Code No.	Blade Size	Arbor Size, Inches	Grit on Edge and Sides
19908	6"	◆, ⅝ Rd.	36
19909	7¼"	◆, ⅝ Rd.	36
19910	8"	◆, ⅝ Rd.	36

SKILSAW Circular Saw Blades

SKIL DIAMOND GRIT BLADES

Now improved for heavier duty cutting!



For all stone and masonry materials, glass, asbestos, cement. Diamond concentration is higher and diamonds are retained in powdered metal segments that are brazed to a metal blank for longer cutting life. Outcut and outlast cut-off wheels 10 to 1! Cannot be used dry—use with Water Feed Attachment.

DIAMOND GRIT BLADES

Part/Item Code No.	Diameter, Inches	Arbor Size, Inches	Gauge
71027	7"	◆, 5/8" Rd.	.050
71028	8"	◆, 5/8" Rd.	.050
71030	10"	◆, 5/8" Rd.	.064

"SAFETY" CUT-OFF WHEELS (Packaged 10 per carton)

For cutting masonry materials and metals as indicated. All wheels are 1/8" thick and contain a high concentration of highest quality electric furnace abrasives for fastest cutting. Have three important features for break resistance, long life and extra safety: (1) reinforced with fiberglass or nylon; (2) steel insert reinforces diamond arbor* hole; (3) abrasives are securely bonded with phenol resin.

NOTE: See Page 21 for No. 29627 Water Feed Attachment.

All Skil cut-off wheels are supplied with 5/8" round arbor adapters, except Nos. 18360 and 29343.



MASONRY CUTTING

Silicon Carbide Abrasive for Hard Masonry—for materials such as hard-aggregate concrete, marble, granite, glazed and ceramic tile, slate, terrazzo, acid-proof brick, face, silica and hard-chrome brick, Magnesite.

Part/Item Code No.	Size	Arbor	Part/Item Code No.	Size	Arbor
18351	6 1/2"	◆, 5/8" Rd.	18353	8 1/4"	◆, 5/8" Rd.
18352	7 1/4"	◆, 5/8" Rd.			

Silicon Carbide Abrasive for Soft and Medium Masonry—for materials such as concrete block, common brick, cinder block, fire clay and refractory brick, limestone, Arizona flagstone, Lannon stone, crab orchard stone; roofing, sewer and structural tile; terra cotta, asbestos cement, insulating brick, sandstone, Austin stone, gypsum, fiberglass.

Part/Item Code No.	Size	Arbor	Part/Item Code No.	Size	Arbor
18355	6 1/2"	◆, 5/8" Rd.	18358	9"	◆, 5/8" Rd.
18356	7 1/4"	◆, 5/8" Rd.	18359	10"	◆, 5/8" Rd.
			18360	12"	◆

METAL CUTTING

Aluminum Oxide Abrasive for Hard Metals—for all ferrous metals (steel, cast iron) and hard non-ferrous metals such as hard brass, hard aluminum, hard bronze.

Part/Item Code No.	Size	Arbor	Part/Item Code No.	Size	Arbor
18366	6 1/2"	◆, 5/8" Rd.	18369	9"	◆, 5/8" Rd.
18367	7 1/4"	◆, 5/8" Rd.	18370	10"	◆, 5/8" Rd.
18368	8 1/4"	◆, 5/8" Rd.	29343	10"	◆

Aluminum Oxide Abrasive for Very Hard Metals—for extra long life when cutting stainless steel and other metals.

Part/Item Code No.	Size	Arbor	Part/Item Code No.	Size	Arbor
29727	6 1/2"	◆, 5/8" Rd.	11641	8 1/4"	◆, 5/8" Rd.
11640	7 1/4"	◆, 5/8" Rd.	11642	9"	◆, 5/8" Rd.

Silicon Carbide Abrasive for Soft Metals—for soft non-ferrous metals such as soft aluminum, soft bronze, soft brass.

Part/Item Code No.	Size	Arbor	Part/Item Code No.	Size	Arbor
18355	6 1/2"	◆, 5/8" Rd.	18358	9"	◆, 5/8" Rd.
18356	7 1/4"	◆, 5/8" Rd.	18359	10"	◆, 5/8" Rd.
18357	8 1/4"	◆, 5/8" Rd.	18360	12"	◆

CUT-OFF WHEEL WASHER SETS (COMPLY WITH OSHA STANDARDS)

Part/Item Code No.	For Use On Model
73480	552, 866
73481	553, 554, 867, 868
73482	77, 367, 825
73483	856, 857, 858
73484	107
73485	860





NOTE: Arbor adaptors are available to permit use of diamond arbor cut-off wheels on saws with round arbors. Ask for No. 17009 Adapter to convert to 1/2" round arbor. No. 17010 Adapter to convert to 5/8" round arbor.

NOTE: Before using any cut-off wheel always be sure its maximum safe operating speed (shown on wheel blotter) is not exceeded by the free speed of the tool (shown on name-plate). Use only on tools with proper safety guards and use cut-off wheel washer sets which meet OSHA standards.

SKILSAW Circular Saw Accessories

ARBOR ADAPTERS DIAMOND TO ROUND AND ROUND TO ROUND

For converting diamond arbor blades for use on saws with round arbors; and reducing diameter of round arbors.

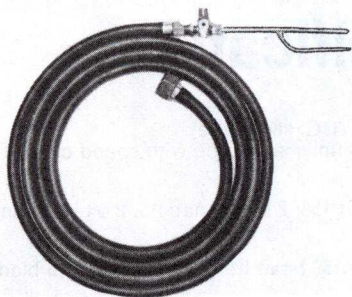
Steel snap-in-adapters—for diamond or round arbor saw blades		
Part/Item Code No.	for converting ...	
24480	Diamond to ½" Round	
24479	Diamond to ⅝" Round	
24478	Diamond to ¾" Round	
67471	⅝" Round to ½" Round	
67472	¾" Round to ⅝" Round	
Fiber adapters—for cut off wheels, Perma-Grit Blades		
Part/Item Code No.	for converting ...	
17009	Diamond to ½" Round	
17010	Diamond to ⅝" Round	
Fiber adapters—for diamond grit and Perma-Grit blades		
Part/Item Code No.	for converting ...	
17011	Diamond to ⅝" Round	



SAW CARRYING CASES

Roomy, durable carrying cases made of heavy gauge steel with special brackets to protect saw and blades against weather, rust, dirt; eliminates possibility of saw snagging clothing.

Part/Item Code No.	For SKILSAW Model (All Types)
25198	367, 77, 825
26099	552, 553, 554, 559, 856, 857, 858
71958	866, 867, 868
71957	860



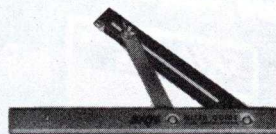
NO. 29627 WATER FEED ATTACHMENT

Attached to SKILSAW Portable Saw and other makes. Perforated fork supplies water for both sides of blade. Equipped with 10 ft. hose. **Must be used with diamond grit blades.** May also be used with cut-off wheels.



NO. 266 BLADE STUD WRENCH

For use on all Skilsaw models with blade diameters from 5 1/2" to 12".



NO. 13802 MITER GUIDE

A really practical accessory for every wood cutting job. Set it at a desired angle just once, and you can make any number of cuts at precisely that same angle. Eliminates time spent in figuring angles and plotting layouts.



ADJUSTABLE RIP FENCES

Eliminate repeated measuring and marking on rip work. Fit on front of saw base; guide saw accurately to cut uniform width repeatedly.

Part/Item Code No.	for SKILSAW Model
13896	367 (types 1, 4 & up) 77 (types 7, 8, 9, 12 & up) 825 (types 5, 6, 7, 10 & up)
25341	552 (types 6 & up) 553 (types 3 & up) 554 (types 3 & up) 856, 857, 860 (all types) 367 (types 2 & 3) 77 (types 10 & 11) 825 (types 8 & 9) 866, 867, 868 (all types)
17984	559, 574 (all types)

LUBRICANTS—For Circular Saws	Part/Item Code No.	Description
856, 857, 858, 860, 552, 553, 554, 559, 866, 867, 868,	252	5 1/2 oz. tube
	251	2 lb. can
Models 77 type 3 up, 107, 127, 367, 825	249	5 1/2 oz. tube
	264	pint
	267	1/2 gal. can

2

SKILSAW Jig Saws

Features

Here's a full line of jig saws to fit every need. It offers single-speed, two-speed and variable speed models; three models with orbital blade action and two with vertical action.

MODEL 155 SINGLE-SPEED HEAVY-DUTY

- Double insulated for increased safety
- Removable inspection plate for brush inspection or easy replacement
- Burnout Protected Motor
- Three-position foot for 45° beveling, rough or splinter-free cutting
- Universal AC/DC motor and switch
- Built-in blower clears line of cut
- Precision gear train reduces noise and friction

MODEL 155

MODEL 158 VARIABLE-SPEED HEAVY-DUTY

- Operates from 1300 to 3200 strokes per minute
- Unique switch allows speed control by-pass to top speed and instant return to your pre-set speed
- Orbital blade action for faster cutting
- Burnout Protected Motor
- Three-position foot for 45° beveling, rough or splinter-free cutting
- Removable inspection plate for brush inspection or easy replacement
- Built-in blower clears line of cut
- Double insulated for increased safety

MODEL 158

Specifications

Switch:

Model 155; AC/DC, slide type
Model 158; AC only, slide type with speed control dial

Bearings:

Models 155 and 158; 2 ball, 2 needle, 2 oil impregnated

Equipment:

Model 155 and 158 have hex wrench and one blade

Model / Item Code No.	Length of Stroke	Capacities			Strokes Per Minute		Amp Rating At 120V	Overall Length	Net Wt., Lbs.	Ship. Wt., Lbs.
		In Wood	In Aluminum	In Steel	Low Speed	High Speed				
155	3/4"	2"	3/8"	3/16"	—	3200	3.5	8 3/4"	5.4	5 7/8
158	3/4"	2"	3/8"	3/16"	1300 TO	3200	3.8	8 3/4"	5.4	5 7/8

SKILSAW Jig Saws



MODEL 160



MODEL 499

**TRADESMAN
TOOL ★★★★★**



MODEL 524

**TRADESMAN
TOOL ★★★★★**

Features

MODEL 160 TWO-SPEED SUPER-DUTY

- Operates at 2600 and 3200 strokes per minute and faster
- Full one inch orbital action stroke gives longer blade life
- Counter-balanced gears for smooth power transmission and excellent balance
- Removable auxiliary handle mounts on either side
- Built-in blower clears line of cut
- Brush holders located for convenient inspection or change
- Three-position foot for splinter-free, general purpose work, or 45° bevel cuts
- Burnout Protected Motor

MODEL 499 VARIABLE-SPEED STANDARD-DUTY

- Economical model for light professional use
- Offers complete speed control from 0 to 3500 strokes per minute
- Double insulated for increased safety
- Built-in blower clears line of cut
- Three-position foot for splinter-free, general purpose work, or 45° bevel cuts

MODEL 524 TWO-SPEED STANDARD-DUTY

- Orbital blade action for faster cutting in wood.
- Operates at 3,000 and 4,000 strokes per minute
- Removable cover for easy inspection or replacement of brushes
- Built-in blower clears line of cut
- Burnout Protected Motor
- Foot adjusts for general purpose cutting or 45° bevel work
- Attachment supplied for splinter free cutting

Specifications

Switch:

Model 160; AC only, slide type with high-low speed selector
Model 499; AC only, trigger type with speed control dial
Model 524; AC only, trigger type

Bearings:

Model 160; 2 ball, 4 needle, 4 oil impregnated
Model 499; 1 ball, 1 needle, 3 oil impregnated
Model 524; 1 ball, 4 oil impregnated, 4 bronze

Equipment:

Model 160 has hex wrench, one blade and side handle
Model 499 has hex wrench, one blade
Model 524; has hex wrench, one blade


Model / Item Code No.	Length of Stroke	Capacities			Strokes Per Minute		Amp Rating At 120V	Overall Length	Net Wt., Lbs.	Ship. Wt., Lbs.
		In Wood	In Aluminum	In Steel	Low Speed	High Speed				
160	1"	2"	3/4"	1/4"	2600	3200	3.5	7 1/2"	6 3/4	8 1/2
499	5/8"	1 5/8"	1/4"	1/8"	0 TO	3500	3.2	7 1/2"	4 1/4	4 3/4
524	1/2"	1 5/8"	1/4"	1/8"	3000	4000	2.5	8 1/2"	5.25	5 7/8

SKILSAW Jig Saw Blades and Accessories



JIG SAW BLADES (Packed 5 each per card.) **Except No. 68267** (1 per card).

ALL BLADES HIGH SPEED STEEL Except No. 68267—CARBON STEEL



METAL CUTTING BLADES

	Part/Item Code No.	Length	Blade Type	Teeth Per Inch	Applications
	24085	3 5/8"	tapered wavy set	12	1/8"-5/16" Ferrous and non-ferrous metals.
	24086	3 5/8"	tapered wavy set	21	1/16"-5/32" Ferrous and non-ferrous metals.
	24087	3 5/8"	tapered wavy set	36	Up to 1/16" Ferrous and non-ferrous metals.



WOOD CUTTING BLADES

	Part/Item Code No.	Length	Blade Type	Teeth Per Inch	Applications
	22644	3 5/8"	set and ground teeth (1/4" wide)	6	Fast and efficient scroll cutting in all woods, plywoods and hardboard.
	22652	3 5/8"	set and ground teeth (3/8" wide)	6	Fast and efficient straight line cutting in all wood, plywood and hardboard.
	22650	3 5/8"	ground teeth, taper ground body	10	Smooth finish scroll cutting in wood, plywood, hardboard, plastic laminates and fiberglass.
	22651	4"	ground teeth, taper ground body	6	Smooth finish straight cutting in wood, plywood, hardboard, plastic laminates and fiberglass.

MISCELLANEOUS APPLICATIONS

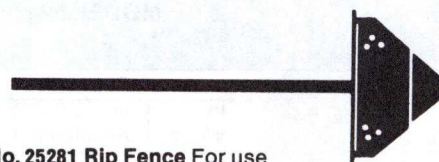
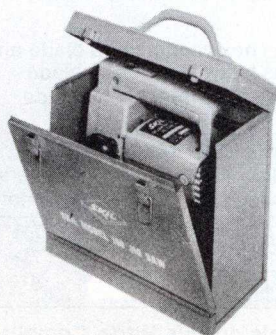
	Part/Item Code No.	Length	Blade Type	Teeth Per Inch	Applications
	22649	3 5/8"	skip tooth (1/4" wide)	8	Fast scroll cutting in fiberglass, tough abrasive materials, asbestos 1/8"-3/4" aluminum and other non-ferrous metals, synthetics up to 3/4" and plasterboard.
	24084	3 5/8"	skip tooth (5/16" wide)	8	Straight cutting in fiberglass, tough abrasive materials, asbestos, 1/8"-3/4" aluminum and other non-ferrous metals, synthetics up to 3/4" and plasterboard.
	71941	3 5/8"	set teeth (5/16" wide)	12	General purpose metal, wood, plastic cutting 1/8" to 1/4"; steel 1/8" to 1/2", non-ferrous metals.
	68267	3"	knife	—	Cutting leather, rubber, cardboard, cork, felt and insulating material.

WOOD AND COMPOSITION CUTTING BLADES

	Part/Item Code No.	Length	Blade Type	Teeth Per Inch	Applications
	22645	3 5/8"	ground teeth, taper ground body	12	Smooth finish straight cutting in thin wood, metal backed doors, plastic laminate counter tops, hard synthetics and composite materials.
	24089	3 5/8"	ground teeth, taper ground body	12	Smooth finish scroll cutting in thin wood, metal backed doors, plastic laminate counter tops, hard synthetics and composite materials.

No. 25605 Carrying Case
For model 160

No. 71013 Carrying Case
For models 155 & 158



No. 25281 Rip Fence For use
on models 155, 158, 160, 499 and 524

SKILSAW Recipro Saws

Features

Two Super-Duty models designed for the variety of cutting jobs encountered by carpenters, electricians, plumbers, builders, maintenance men, sheet metal workers, heating and ventilating contractors.

MODEL 474 VARIABLE-SPEED SUPER-DUTY

- Offers complete speed control from 0 to 2400 strokes per minute
- Off-center blade mount for cutting close to walls and corners
- Insulated gripping surfaces
- Spiral bevel, heat treated alloy steel gearing for high performance and long tool life
- Burnout Protected Motor helps withstand overloads without damage
- Reciprocating spindle has two special oil impregnated bearings for smoother operation and longer life
- The variable-speed feature allows cutting a wide variety of materials from stainless steel to plastics
- Heavy-duty, eight foot, three wire cord has separate strain relief to help prevent cord pull-outs
- Foot swivels on mounting shaft to position blade with teeth facing up, down or to either side
- Positive front end grip helps maximize control

MODEL 472 SINGLE-SPEED SUPER-DUTY

- Has all the features of Model 474 but operates at single speed only
- Operates at 2400 strokes per minute

MODEL 474-1 KIT

- Includes Model 474, 2 blades, wrench and holder and steel carrying case

Specifications

Switch:

Model 472; AC-DC momentary contact trigger type with locking button.

Model 474; 50-60 Hz. only, Trigger Speed Control and locking button. Enclosed momentary contact trigger type with locking button AC only.

Bearings:

Models 472 and 474 have 3 ball, 1 needle and 2 oil impregnated.

Equipment:

Models 474, 472 include blade, wrench and wrench holder.

Model 474-1. Kit includes Recipro Saw, 2 blades, roomy steel carrying case, wrench and wrench holder.



MODEL 474

**TRADESMAN
TOOL ★★★★★**



MODEL 472

**TRADESMAN
TOOL ★★★★★**



MODEL 474-1 KIT

**TRADESMAN
TOOL ★★★★★**

Model/Item Code No.	Length Of Stroke, Inches	Strokes Per Minute, No Load		Amp Rating At 120V High Speed	Overall Length, Inches	Tool Wt., Lbs.	Ship. Wt., Lbs.
		Low Speed	High Speed				
472	1		2400	6.0	16 1/4	7 1/2	9
474	1		0 to 2400	5.0	16 1/4	7 1/4	9

For Accessories, See Page 26

All Tools on this Page Comply With OSHA Standards.










SKILSAW "Universal" Recipro Saw Blades

Universal 1/2" shank Skil Recipro-Saw blades fit most reciprocating saws.

BLADES—Packaged 10 per carton

Metal cutting blades are top quality, long life, hardened high speed steel. All other blades are tough, resilient, chrome alloy or high carbon alloy steel.

Order Saw Blades in quantity, see price list for quantity discounts. Also available in bulk pack 50 to a carton. See your distributor for details.

	New Part/Item Code No.	Teeth Per Inch	Overall Length Inches	Recommended use	Blade Color
METAL CUTTING 	71040	10	4	Ferrous metals 1/4" or thicker; non-ferrous metals 1/8" or thicker. Use 8" blade for cutting cast iron, steel pipe to 5" diameter.	red
	71041	10	5		
	71042	10	8		
	71043	14	4	Ferrous metals 3/16" to 1/4" thick, non-ferrous metals less than 1/8".	
	71044	14	6		
	71045	18	4	Ferrous metals 1/16" to 3/16" thick.	
	71046	18	6		
	71047	24	4	Ferrous metals less than 1/16" thick.	
METAL SCROLL CUTTING 	71048	32	4	Very light gauge sheet metal, tubing, trim, etc.	
	71051	10	4	Metals, ferrous sheet 1/4" or thicker; non-ferrous metals 1/8" or thicker.	
	71052	14	4	Ferrous metals 3/16" to 1/4"; non-ferrous metals under 1/8".	
	71053	18	3 1/4	Ferrous sheet metal 1/16" to 3/16" thick.	
	71055	24	3 1/4	Ferrous sheet metal less than 1/16" thick.	
WOOD ROUGHING-IN 	71056	3 1/2	6	Fastest cutting in 1" or thicker wood. Use for notching timbers; cutting green, wet or fibrous wood; limbing trees.	black
	71057	3 1/2	9		
	71059	3 1/2	12		
	71063	6	6	For cutting in hardwood, plastic and hard composition board. Fast cutting with long blade life.	
	71060	6	12		
	71061	8	6		
	71062	8	12		
DOUBLE EDGE 	71071	7	4 1/8	For making cuts in corners and tight spots. Sawing back to a line when plunge cutting.	
WOOD SCROLL CUTTING 	71064	6	4	Set tooth blade for fast curved or irregular shaped cuts in wood, compositions.	
	71065	8	4	Hollow ground blade for smooth cuts in curved or irregular shapes in wood, compositions.	
MULTI-PURPOSE 	71066	6	6	Tough, economy blades for fast roughing-in. Cut most materials including wood and where nails are occasionally encountered; soft metals. Use 6-tooth blades for 1/2" or thicker materials. 10-tooth blades for materials under 1/2" thick.	blue
	71067	6	12		
	71068	10	4		
	71069	10	6		
	71070	10	12		
PLASTER CUTTING 	71076	6	6	Plaster and lath, plasterboard and many other abrasive materials.	white
	71077	6	4		
KNIFE BLADE 	71079	—	4	Cardboard, paper, cork, rubber, leather, felt and other similar materials.	silver
PRUNING 	71075	6	12	For pruning trees and shrubs.	green

RECIPRO SAW ACCESSORIES

CARRYING CASE

Heavy gauge steel. Holds Recipro Saw and all accessories.
No. 69028—For Models 472 and 474.

LUBRICANTS

—for Recipro Saws listed on Pages 24 & 25.
No. 252—5 3/8 oz. tube
No. 251—2 lb. can

SKILSAW Gasoline Powered Chain Saws

Features

MODEL 1616 16" DELUXE LIGHTWEIGHT Gasoline Chain Saw

MODEL 1614 14" DELUXE LIGHTWEIGHT Gasoline Chain Saw

These two deluxe lightweight models are ideal for suburban and rural home and farm use as well as professional use by all types of contractors, tree surgeons, forestry services, state, county and municipal park, highway, and street departments. A one year, limited warranty and **both models have these features in common:**

- Skil patented SAF-T-BRAKE™ chain brake is designed to stop a moving chain on a saw in a fraction of a second when kickback occurs. This braking action will automatically take place even if the operator's hand does not contact the brake handle. It will also take place regardless of the position in which the chain saw is used. SAF-T-BRAKE offers an extra margin of protection against injury from contact with a moving chain.
- Solid state electronic ignition for surer starts and lower maintenance costs.
- Chain catcher helps protect operator from broken chain whip.
- Skil chain saws manufactured for sale in the states of California, Oregon, and Washington meet Northwest Forest Fire Council Standards.
- Centrifugal clutch, same as used in larger professional models, permits engine to idle without rotating chain. Also helps protect engine, bar and chain by disengaging and slipping if chain gets bound in the cut.
- Automatic and manual oilers for added lubrication protection of cutting bar and chain.
- Oil and fuel tank caps cannot be interchanged which reduces chance of pouring oil or fuel into wrong tank.
- All position carburetor maintains same performance regardless of the position of saw.
- Vibration dampened front and rear handles for added comfort.
- Piston ported engine improves starting, idling and acceleration. Provides flat power curve for smooth, steady performance.
- Reversible cutting bar combined with sprocket-nose construction increases serviceable life-time of bar and cutting efficiency.
- Left-hand recoil starter permits close cutting of tree to ground or construction.
- Chromed chain for longer chain life before replacement.
- Conveniently grouped controls for easier operation.
- Front and rear handles placed for best balance, comfort and control.
- Built-in bucking spike provides pivotal surface between saw and work for easier, controlled cutting.
- Supplied with sheath and handy combination tool.

Specifications

Direct drive, 2 cycle piston ported engine. Automatic recoil starter. Solid-state ignition. All attitude carburetor. Both have automatic and manual oilers. Chain supplied on models 1614 and 1616 is "low profile" chain.

Bearings:

All ball, roller and needle.

Model/Item Code No.	Engine Spec. Bore & Stroke	Displacement Cu. In.	Fuel Cap. Pts.	Chain Oiler Cap. Pts.	For Chain & Bar Sizes	Chain Pitch	Chain Gauge	Guide Bar Supplied	Dry Wt. Less Bar & Chain	Ship. Wt. Lbs.
1614	1 1/16" x 1 9/32"	2.2	5/8	1/4	10" thru 16"	3/8"	.050	14" Sprocket Nose	9 lbs.	11 1/2
1616	1 1/16" x 1 9/32"	2.2	5/8	1/4	10" thru 16"	3/8"	.050	16" Sprocket Nose	9 lbs.	11 1/2

For Accessories, See Page 31

SKILSAW Gasoline Powered Chain Saws

Features

MODEL 1611 14" Standard Lightweight GASOLINE CHAIN SAW

MODEL 1610 12" Standard Lightweight GASOLINE CHAIN SAW

MODEL 1613 14" Standard Lightweight GASOLINE CHAIN SAW

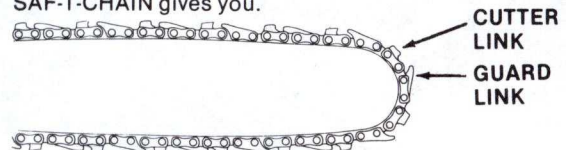
MODEL 1612 12" Standard Lightweight GASOLINE CHAIN SAW

- Models 1610 and 1611 are equipped with the new exhaust system, which is designed to dramatically improve noise and temperature control and has a built-in spark arresting screen. This exhaust system is designed to meet all North-west Forest Fire Council standards.
- Models 1610 and 1611 also have a chain catcher, which helps protect the operator from broken chain whip.

All the following features are common to all four models.

- Equipped with SAF-T-CHAIN™ saw chain, a uniquely designed cutting chain which helps to significantly lessen the chance of kickback. See below.
- Centrifugal clutch, permits engine to idle without rotating chain. Also helps protect engine, bar and chain by disengaging and slipping if chain gets bound in the cut.
- Automatic and manual oiler for lubrication and protection of cutting bar and chain.
- Solid state ignition for fast, sure starts and lower maintenance.
- All position carburetor maintains same performance regardless of the position of saw.
- Vibration dampened rear handle for added comfort.
- 2.1 cubic inch displacement.
- Reversible sprocket nose guide bar increases the bar's service-life and reduces chain friction.
- Left-hand recoil starter permits close cutting to trees, ground or construction.
- Built-in bucking spike provides pivotal surfaces between saw and work for easier, controlled cutting.

Each "cutter link" in your SAF-T-CHAIN has a "guard link" located just in front of it. This "guard link" has a long tail which protrudes as the chain rounds the tip of the bar. The protruding tail helps prevent the "cutter link" from snagging, should the tip of the bar come into contact with another object. If the "cutter link" does not snag, kickback does not occur. After rounding the tip of the bar, the protruding tail lays down, out of the way of the "cutter link." Therefore, you can use the *full length* of the cutting bar and still have the protection from kickback SKIL SAF-T-CHAIN gives you.



SKIL® SAF-T-CHAIN™

Specifications

Direct drive, 2 cycle piston ported engine. Automatic recoil starter. All attitude carburetor. All have automatic and manual oilers. Models 1610, 1611, 1612 and 1613 are supplied with chains specifically designed to lessen the chance of kickback and reduce the impact should kickback occur.

Bearings:

All ball, roller and needle.

Model/Item Code No.	Engine Spec. Bore & Stroke	Displacement Cu. In.	Fuel Cap. Pts.	Chain Oiler Cap. Pts.	For Chain & Bar Sizes	Chain Pitch	Chain Gauge	Guide Bar Supplied	Dry Wt. Less Bar & Chain	Ship Wt. Lbs.
1610	1 7/16" x 1 9/32"	2.1	5/8	1/4	10" thru 16"	3/8"	.050	12" Sprocket Nose	7 3/8 lbs.	9
1611	1 7/16" x 1 9/32"	2.1	5/8	1/4	10" thru 16"	3/8"	.050	14" Sprocket Nose	7 3/8 lbs.	9 1/2
1612	1 7/16" x 1 9/32"	2.1	5/8	1/4	10" thru 16"	3/8"	.050	12" Sprocket Nose	7 3/8 lbs.	9
1613	1 7/16" x 1 9/32"	2.1	5/8	1/4	10" thru 16"	3/8"	.050	14" Sprocket Nose	7 3/8 lbs.	9 1/2

For Accessories, See Page 31

SKILSAW Gasoline Powered Chain Saws

Features

MODEL 1646 20" HEAVY-DUTY Gasoline Chain Saw

MODEL 1632 16" HEAVY-DUTY Gasoline Chain Saw

- Both models are designed for heavier, more demanding cutting jobs, where a bigger engine and more rugged construction are a necessity. Larger capacity fuel tank allows longer continuous cutting. Professional users, farmers and ranchers will find these two models especially suited for their needs and they meet all Northwest Forest Fire Council standards.
- Model 1646 has vibration dampened handle system
- Model 1646 has non-slip front handle
- Model 1646 has a throttle control lock

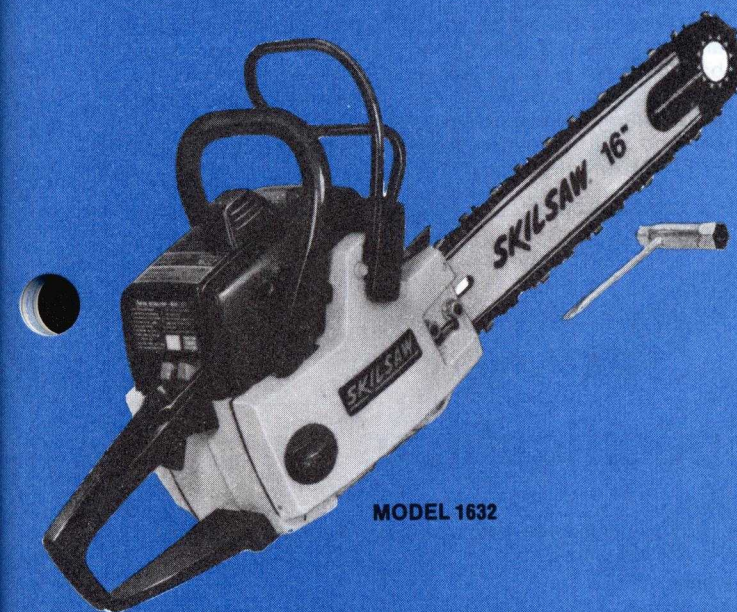
All the following features are common to both models.

- Factory pre-set chain brake
- Solid alloy steel guide bar with replaceable sprocket nose assembly reduces wear on both chain and bar
- Centrifugal clutch permits idling engine without rotating chain. Helps protect engine, bar and chain if chain binds in cut
- Reversible cutting bar allows both edges to wear evenly to increase guide bar life
- Professional-quality automatic oiler provides uniform oil supply to bar and chain
- High chain cutting speed for smoother, faster cuts
- Front mounted exhaust, emits away from operator
- All position carburetor for constant performance regardless of cutting position
- Spark arrestor reduces fire hazards in dry forests
- External chain adjuster for simple maintenance of proper chain tension
- High output, solid state ignition for surer starts and lower maintenance costs
- Preset throttle for easy starting
- Throttle control latch, automatically returns to idling position when pressure is released
- Combination screwdriver and wrench supplied with saw
- Bucking spike assembled into saw
- Rear hand-guard helps protect operator from broken chain and branches
- Radio suppressed

3



MODEL 1646



MODEL 1632

Specifications

Direct drive, 2 cycle piston ported engine. Automatic recoil starter. All attitude carburetor. Both models have automatic oilers, solid state ignition.

Bearings:

All ball, roller and needle.

Model/Item Code No.	Engine Spec. Bore & Stroke	Displacement Cu. In.	Fuel Cap. Pts.	Chain Oiler Cap. Pts.	For Chain & Bar Sizes	Chain Pitch	Chain Gauge	Guide Bar Supplied	Dry Wt. Less Bar & Chain	Ship. Wt. Lbs.
1632	1.73"x1.42"	3.4	1.58	.74	16" thru 20"	3/8"	.050	16" Replacement Sprocket Nose	12.3 lbs.	18 1/3
1646	1.83"x1.42"	4	1.58	.74	16" thru 20"	3/8"	.050	20" Replacement Sprocket Nose	14.1 lbs.	20 5/8

For Accessories, See Pages 31

SKILSAW Electric Powered Chain Saws

Features

Electric chain saws offer some features not found in gasoline models. Naturally, the end use to which you plan to put your saw should determine which type you purchase. Electric models start instantly with the mere flick of a switch, regardless of weather conditions. They have a lower noise level and the lack of exhaust emission makes them especially adaptable for use indoors or in poorly ventilated areas. The two Skilsaw models shown here are among the finest electrics available anywhere.

MODEL 1602 14" ELECTRIC CHAIN SAW

MODEL 1601 12" ELECTRIC CHAIN SAW

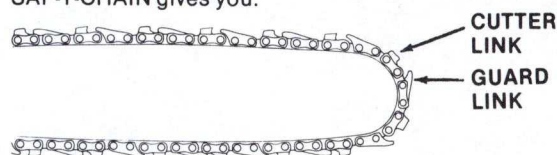
MODEL 1602 has these exclusive features:

- AC/DC switch and motor, which operates on 115 volt house current, generator or alternator
- Ten foot cord, which eliminates the need for an extension cord in many instances
- Ball bearing construction
- Oil level indicator lets operator know when refilling is needed

All other features are common to both

- Centrifugal clutch disengages if chain binds in cut. This protects the motor by allowing it to run with clutch disengaged. The clutch system reduces wear on bearings and gears and also helps reduce bucking and kick-back
- Double insulated for added safety
- Safety switch helps prevent accidental starts
- Push button oiler for chain lubrication
- Burnout protected motor
- Equipped with SAF-T-CHAIN™ saw chain, a uniquely designed cutting chain which helps to significantly lessen the chance of kickback. See below.
- Sprocket nose guide bar

Each "cutter link" in your SAF-T-CHAIN has a "guard link" located just in front of it. This "guard link" has a long tail which protrudes as the chain rounds the tip of the bar. The protruding tail helps prevent the "cutter link" from snagging, should the tip of the bar come into contact with another object. If the "cutter link" does not snag, kickback does not occur. After rounding the tip of the bar, the protruding tail lays down, out of the way of the "cutter link." Therefore, you can use the *full length* of the cutting bar and still have the protection from kickback SKIL SAF-T-CHAIN gives you.



SKIL SAF-T-CHAIN

Specifications

Switch:

Model 1602 enclosed momentary contact AC-DC trigger type
Model 1601 AC only

Bearings:

Model 1601 oil impregnated bronze. Model 1602, 2 ball; 2 oil impregnated bronze and 1 roller

Equipment:

bucking spike, bar, saw chain.

Model/Item Code No.	Free Speed Of Chain, Ft. Per Min.	Amp Rating At 120V	Generator Size Required	Chain & Bar Supplied	Chain Pitch	Chain Gauge	Less Bar & Chain	Shpg. Wt. Lbs.
1601	2500	12	3000 AC only	12"	3/8" L.P.	.050	8 7/8	12
1602	2500	13	3000 AC or DC	14"	3/8" L.P.	.050	8 7/8	12 1/2

For Accessories, See Page 31

SKILSAW Chain Saw Accessories

Skilsaw chain saws can be equipped, within limitations, with bars and chains of different sizes than were originally supplied. This chart indicates the limitations and also provides a guide to the selection of the proper part numbers.

1. Find the "model" and "type" numbers on chart.
2. Reading from left to right, order the part numbers shown for Bar and Chain. Check part number of the Sprocket and Drum Assembly against the part number shown on chart for your "model" and "type" number. If it is different you must also replace the Sprocket and Drum Assembly.
3. The Bar, Chain and Sprocket and Drum Assembly can be interchanged with any other "type" number of the same "model" number if all three parts are replaced. All three *must* match as indicated on the chart.

MODEL & TYPE NUMBER	Sprocket & Drum	10"		12"		14"		16"		20"	
		Bar*	Chain	Bar*	Chain	Bar*	Chain	Bar*	Chain	Bar*	Chain
1601, 1602, 1610, 1612, 1705 & 1700 Type, 1, 1600 Types 1 & 2	71967	71968	71961	71969	71964	71970	71965				
1601, 1602, 1612, 1700 & 1705 Types 1A thru 3—1610 Types 1A & 2—1613, 1614 & 1616 Types 1 & 2	71904	71968	71900	71969	71901	71912	71902	71913	71903		
				71910	72060**	72061**		71911**			
1610 Type 3 — 1611 Type 1—1614 & 1616 Type 3	71956			Use any combination of bar and chain in this box.		Use any combination of bar and chain in this box.		Use any combination of bar and chain in this box.			
1631 & 1645 All Types	71962							71974	71972	71914	71973
1632 & 1646 All Types	72014							72010	72011	72012	72013

*All bars are sprocket nose construction except Nos. 71963, 71969 & 72007. **This chain is specially designed to help prevent the incidence and degree of kickback and thus, enhance the safety of the saw. When replacing chain on all models listed above not having a chain brake, it is recommended that this specially designed chain be used.

3

CHAIN SAW SHARPENING FILE

Part/Item Code No.	Description	Pitch
71905 (Shown)	5/32" dia. Chain Sharpening File with Guide	For 1/4" Pch and 3/8 Low Profile Chain
71906	3/16" dia. Chain sharpening File with Guide	For 1632 and 1646 3/8" Pro-77 Low Profile Chain
73171	7/32" dia. Chain sharpening File with Guide	For 3/8" & .404 Pitch Chain

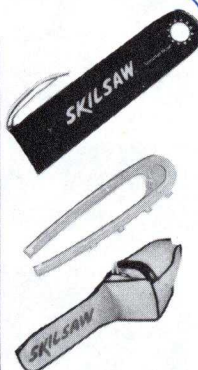


OIL FOR ENGINE & CHAIN Specially Compounded Chain Saw Oil

Part/Item Code No.	Description	Use On Models
72782	1/2 Gallon	All models
72781	Pint	
71909	4 Pak-8 oz. Cans	
71917	4 Pak-5 oz. Cans	

CHAIN GUARD SHEATH & CASE

Part/Item Code No.	Description	Use on Models
71094	Protects chain when mounted on bar	1601, 1602, 1610, 1611, 1612, 1613, 1614, 1616, 1705, 1712
71960	Protects chain when mounted on bar.	1630, 1631, 1644, 1645, 1632, 1646
71918	Vinyl Case	1610, 1612, 1613, 1614T1, 1616T1, 1705, 1712



BUCKING SPIKES

Part/Item Code No.	Description	Use On Models
71963	Standard	1630, 1631, 1644, 1645
72015	Standard	1632, 1646



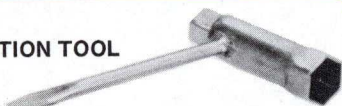
CHAIN SAW COMBINATION TOOL

71093

Combination screwdriver and wrench service tool for 1601, 1602, 1610, 1611, 1612, 1613, 1614, 1616, 1705, 1712, 1700, 901, 947, 944, 946, chain saws.

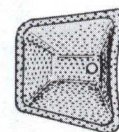
71085

1632 & 1646



SPARK ARRESTORS

Part/Item Code No.	Use On Models
71897	1610T3, 1611T1, 1614:99T3, 1616:99T3
71898	1610, 1612, 1613, 1614, 1616, 1705, 1712
71899	1631 & 1645
72016	1632, 1646



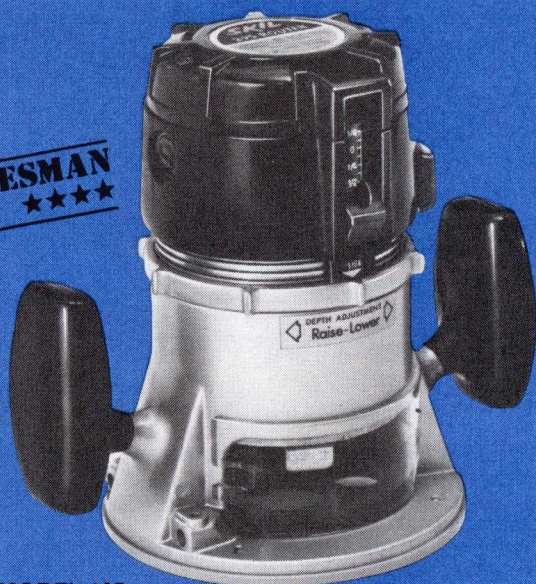
Three heavy-duty routers, rated at 1 H.P., 1½ H.P. and 1¾ H.P. All designed for professional production work by furniture manufacturers, exhibit houses, cabinet shops and other wood working trades.

These high speed models have sealed ball bearings for longer life and smooth operation. Comfortable handles, accurate depth adjustments and convenient fingertip on/off switches make them easy precision tools to use.

Router bits and accessories included in this section add the routing versatility required by professionals.



**TRADESMAN
TOOL ★★★★★**



MODEL 295

**TRADESMAN
TOOL ★★★★★**



MODEL 297

**TRADESMAN
TOOL ★★★★★**



MODEL 295-1
MODEL 297-1

Features

MODEL 295—1 H.P. Heavy-Duty Router

- Powerful Burnout Protected Motor.
- Lightweight aluminum housing.
- Sealed ball bearing construction for superb power transmission and long life.
- Contoured handles for comfortable grip.
- Fingertip on/off switch can be operated without releasing handle.
- Built-in spindle lock for easy bit changing.
- Non-marring, plastic sub base.
- Easy to use depth adjustment ring.
- Depth scale indicates setting and contains slide for zero set memory.
- Plastic eye shield included.

MODEL 297—1 1/8 H.P. Heavy-Duty Router

- Excellent all-around model for general production work.
- Contoured handles for comfortable grip and control for delicate, precise work.
- Trigger type on/off switch and lock-on button are located on handle for convenient operation.
- Sealed ball bearing construction for superb power transmission and long life.
- Work-light activated by trigger illuminates area being worked.
- Routing depth can be set easily and accurately with adjusting ring.
- Depth scale also contains a slide for zero set memory.
- Built-in spindle lock for easy bit changing.
- Plastic eye shield allows safe close-up operation.
- Burnout Protected Motor.
- Non-marring sub-base.

MODEL 295-1 Router Kit

- Includes Model 295, collet wrench, 1/4" straight bit, straight and circle edge guide and steel carrying case.

MODEL 297-1 Router Kit

- Includes Model 297, collet wrench, 1/4" straight bit, straight and circle edge guide and steel carrying case.

Specifications

Switch:

Model 295, slide type

Model 297, enclosed momentary contact trigger with locking button

Equipment:

Models 295, 297: 1/4" collet, collet wrench and transparent eye shield

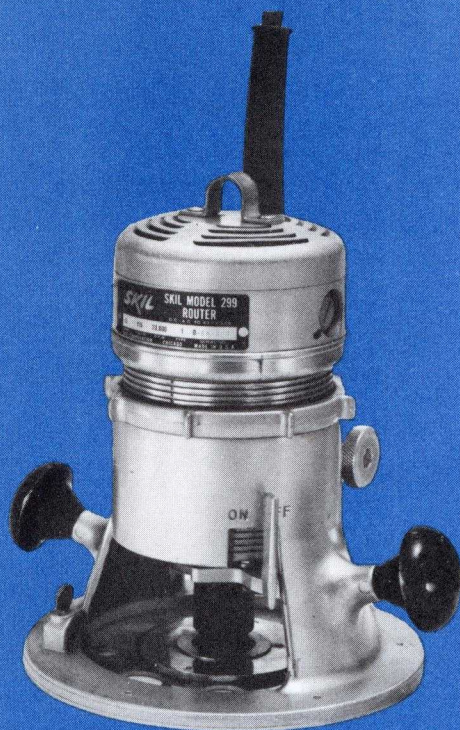
Model/Item Code No.	Motor HP	No-Load Speed, RPM	Amp Rating at 120V	Base Plate Dia. Inches	Overall Height Inches	Net Wt., Lbs.	Ship. Wt., Lbs.
295	1	22,500	5.5	5 5/8	7 1/8	6 1/4	7 3/4
297	1 1/8	22,500	7.0	5 5/8	7 1/8	6 1/2	8

Kit Shipping Weight: Model 295-1, 15 lbs.; Model 297-1, 15 1/2 lbs.

For Accessories, See Page 35-37

All Tools on this Page Comply With OSHA Standards.

Features



MODEL 299

MODEL 299—1¾ HP Heavy Duty Router

- Especially suited for heavy production work in cabinet shops, furniture manufacturers, exhibit houses and other wood working professionals.
- Thumb reach on/off lever easy to operate without removing hands from handles.
- Hanger-eye to suspend router for production line work.
- Heavy-duty precision ball bearings sealed for long, smooth operation.
- High gloss, polished aluminum sub base protects work surface from scratches.
- Powerful Burnout Protected Motor.
- Depth adjusting ring allows fast, accurate settings.

**TRADESMAN
TOOL ★★★★★**



MODEL 293

MODEL 293 ½ HP Heavy Duty Laminate Trimmer

- Horizontal and vertical adjustments for trimming accuracy.
- Built-in spindle lock for easy bit changing.
- Flat-top design provides sturdy surface to set tool on when changing bits.
- Phenolic base plate reduces marring.
- Air flow system helps keep motor and housing cool.
- Guide roller easily removed for cleaning.
- Burnout Protected Motor provides longer trouble-free operation.

Specifications

Switch:

Model 293 slide type, AC only

Model 299, "Thumb-reach" lever type AC-DC

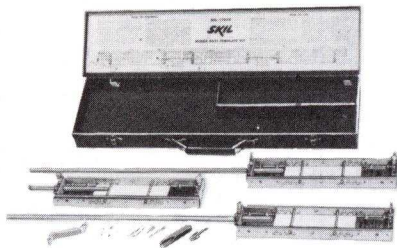
Equipment:

Model 293 ¼" collet wrench and 19627 bit.

Model 299 has ¼" and ½" collets, two collet wrenches.

Model/Item Code No.	Motor HP	No-Load Speed, RPM	Amp Rating at 120V	Base Plate Dia. Inches	Overall Height, Inches	Net Wt., Lbs.	Ship. Wt., Lbs.
299	1¾	23,000	12.0	8	9¼	12½	15½
293	½	27,000	3.8	—	7¾	4½	5¼

NO. 17070-HINGE-BUTT TEMPLATE KIT— For 7"-11" Hinge Spacing*



Hang doors faster and easier by eliminating need for measuring, calculating and laying out.

- Designed specifically to simplify and greatly speed up mortising for hinge butts on 6'8" or 7' wood doors and jambs with 7"-11" hinge placements*
- Mortises 2½" to 5½" size hinges with Model 295 or 297 Routers; to 3½" size hinges with Model 299 Router.
- "Retracto" pins automatically locate template on jambs for either 1⅝" or 1¾" door thickness.
- Packed in steel carrying case. Easy-to-follow instructions included.

Equipment:

Three templates with connecting rods, height gauge, nail puller, extra nails, carrying case, No. 17088 Surfacing Bit, No. 17089 Template Guide, No. 11587 Lock Nut and No. 17831 Corner Chisel.



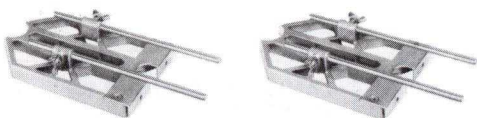
NO. 71022 ECONOMY HINGE-Butt Template Kit

Three-section template for square or round corned hinges up to 5 in. long. Mortises 2 or 3-hinge doors up to 7 ft. high, from ¾ 2½ inches thick. Butt-hinge, template, set of two for 3½ and 4 inch hinges.

NO. 17831 CORNER CHISEL



For squaring mortises when installing square cornered hinges. Easy to use, accurate. Same as furnished with No. 17070 Template Kit.



STRAIGHT AND CIRCULAR EDGE GUIDES

Easily attaches to routers for accurate location of grooves, dadoes, rabbets.

- Adjusts from 0" to 5" (Models 295 and 297), 0" to 9" (Model 299).
- Used with No. 19627 Carbide Tipped Bit to flush and bevel trim wood veneers, plastic laminates.

NO. 16890—for Models 295 and 297
NO. 69052—for Model 299

NO. 43730 ROUTER CARRYING CASE— For Models 295 and 297



Sturdy steel for convenient storage and transport of router and accessories. As furnished with Models 295-1 and 297-1 Kits.

VENEER AND LAMINATE TRIMMING ATTACHMENTS

For smooth, accurate trimming of wood veneer and plastic laminates. Excellent for use in furniture construction, for counter and sink tops, kitchen and bath "built-ins" and more. Adjustable for both flush and bevel trimming... one bit performs both operations! For flush cutting, bit is centered exactly with guide wheel by using set-up pin. For bevel cutting, micrometer-type adjustment permits alignment. Positive-locking, vibration-proof controls maintain accuracy.

Order components listed below:

For use with Models 295 and 297 Routers, order No. 19200, No. 19627. For Type 1 Models 295 and 297, also order No. 19628 Sub-Base.

NO. 19200 VENEER TRIMMING GUIDE

Attaches to No. 19628 Sub-Base

- Non-marring nylon guide roller wheel
- Includes set-up pin for centering bit exactly with guide wheel
- Use with No. 19627 bit



NO. 19627 CARBIDE TIPPED BIT



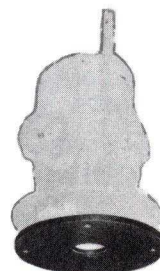
Precision ground combination bit for both flush and bevel cutting of wood veneers, plastics and decorative laminates.

- Two flute type with 22½° bevel angle
- Use with No. 19200 Guide

VENEER TRIMMING SUB-BASES

High impact, non-marring plastic with pre-drilled holes for attaching No. 19200 Guide.

NO. 19628 — For Type 1 Models 295 and 297 Routers

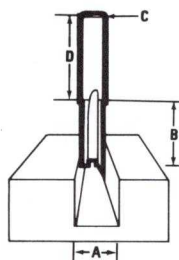


SKIL Router Bits

Skil Router Bits are made of the finest high speed steel or carbide for every routing, forming, veneer and laminate trimming application. They have been carefully designed and have accurately machined angles and clearance to insure the retention of their original profile. Controlled hardening and tempering methods provide lasting and satisfying service.

STRAIGHT BITS TWO FLUTES

All purpose stock removal, 2 flutes for hardwood, smooth cut.



HIGH SPEED STEEL

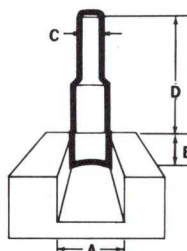
Part/Item Code No.	Dimensions—Inches			
	A	B	C	D
11564	1/4	5/8	1/4	1
19123	1/4	1 1/8	1/4	1 1/4
11567	3/16	3/4	1/4	1
11568	3/8	1 1/16	1/4	1
43733	3/8	1	3/8	1 1/4
11565	7/16	1 1/16	1/4	1
11566	1/2	3/4	1/4	1
19121	5/8	5/8	1/4	1
19122	3/4	5/8	1/4	1

CARBIDE TIPPED

19143	1/4	5/8	1/4	1 1/16
19144	3/8	7/8	1/4	1
19145	1/2	7/8	1/4	1
29795	1/2	1 1/4	1/2	1 1/2
29796	1/2	2	1/2	2
29798	3/4	1 1/4	1/2	1 1/2

SURFACING BIT TWO FLUTES

For hinge-butt mortising with all standard templates.



HIGH SPEED STEEL

17088	1/2	1 3/32	1/4	1 13/32
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CARBIDE TIPPED

19147	1/2	5/16	1/4	1 1/16
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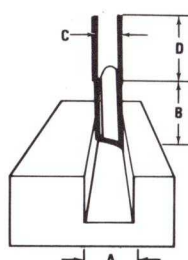
VENEER TRIMMING BIT TWO FLUTES 22 1/2° BEVEL

CARBIDE TIPPED

19627	1 5/32	7/16	1/4	1
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STRAIGHT BIT SINGLE FLUTE

General purpose routing. Single flute for faster feed.

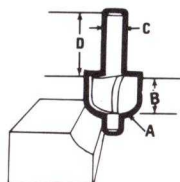


HIGH SPEED STEEL

Part/Item Code No.	Dimensions—Inches			
	A	B	C	D
19124	1/16	3/16	1/4	1
19125	1/8	3/16	1/4	1
19126	3/16	7/16	1/4	1
43734	1/4	3/4	1/4	1 1/4
43736	3/8	1	3/8	1 1/4
43737	1/2	1 1/4	1/2	1 1/2

COVE BIT TWO FLUTES WITH PILOT

For decorative edge routing.

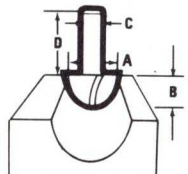


HIGH SPEED STEEL

11553	3/16	3/8	1/4	1
11550	1/4	1/2	1/4	1
11552	3/8	5/8	1/4	1
11573	1/2	3/4	1/4	1

CORE BOX BIT TWO FLUTES

Decorative and general detail work.

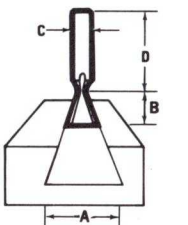


HIGH SPEED STEEL

11556	1/4	1/4	1/4	1
11557	3/8	1/4	1/4	1
11555	1/2	1 1/32	1/4	1
11554	5/8	3/8	1/4	1
11551	3/4	1 5/32	1/4	1

DOVETAIL BIT TWO FLUTES

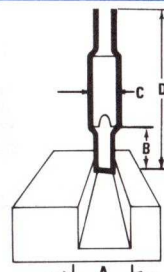
For dovetail joining.



HIGH SPEED STEEL

19133 (small dovetail)	5/32	3/8	1/4	1 1/4
19134 (large dovetail)	1/16	1 1/32	1/4	1 3/32

DOUBLE END STRAIGHT BIT SINGLE FLUTE



HIGH SPEED STEEL

Part/Item Code No.	Dimensions—Inches			
	A	B	C	D
*43741	3/16	5/8	3/16	2 1/2

*Use collet adapters with bits.

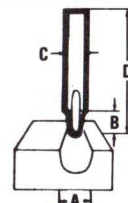
ROUNDING OVER BIT TWO FLUTES WITH PILOT

Decorative round edges or by setting bit lower, add decorative edge.

HIGH SPEED STEEL

11560	1/4	1/2	1/4	1
11559	3/8	5/8	1/4	1
11558	1/2	3/4	1/4	1

SINGLE END VEINING BITS

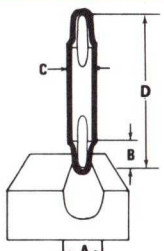


HIGH SPEED STEEL

71950	1/16	3/16	1/4	1
71951	3/32	5/16	1/4	1
71952	1/8	5/16	1/4	1
71953	7/32	7/16	1/4	1

DOUBLE END VEINING BIT SINGLE FLUTE

Decorative, free hand routing, lettering, panel etching, etc.



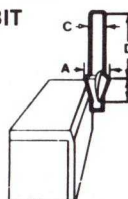
HIGH SPEED STEEL

19139	1/16	1/8	1/8	1 1/2
19140	3/32	3/16	1/8	1 1/16
19141	1/8	5/16	3/16	2

NOTE: Use collet adapters with above bits.

LAMINATE TRIMMING BIT 22° BEVEL

A lower cost bit specially designed for the small laminate edge trim job.

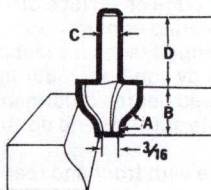


HIGH SPEED STEEL

73398	5/16	1/8	1/4	1
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OGEE BIT TWO FLUTES

Decorative cuts on face of material-use edge guide.

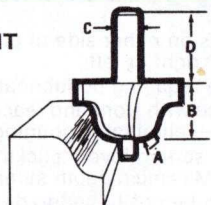


HIGH SPEED STEEL

19137	3/16	5/8	1/4	1
19138	9/32	29/32	1/4	1

ROMAN OGEE BIT TWO FLUTES WITH PILOT

For decorative edge cuts.

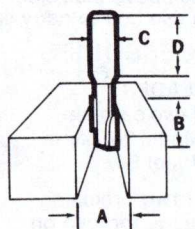


HIGH SPEED STEEL

19135	5/32	1/2	1/4	1
19136	1/4	3/4	1/4	1

STAGGER TOOTH BIT

For cut outs in laminates and problem materials.

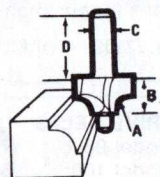


CARBIDE TIPPED

43743	1/2	2	1/2	2
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BEADING BIT

TWO FLUTES WITH PILOT
Decorative edging, window sashes.



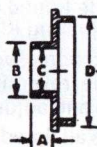
HIGH SPEED STEEL

11572	1/8	3/8	1/4	1
11571	1/4	1/2	1/4	1
11570	3/8	3/4	1/4	1

TEMPLATE GUIDES

For guiding routers along patterns and templates when duplicating designs. Eliminate possibility of bit cutting pattern. Guides attach to sub-base of Models 295, 297 and 299 with No. 11587 lock nut. (Order separately.)

Part/Item Code No.	Dimensions—Inches		
	A	B	C
11591	3/8	3/8	1 1/64
11592	3/16	7/16	2 3/64
11593	3/8	1/2	2 7/64
11590	7/16	3/4	4 3/64
11589	1 3/32	1	5 1/64
11588	3/8	1 1/4	1 3/64
17089*	5/8	2 1/32	9 1/16
71021**	3/8	5/8	2 7/64
11587	Lock nut for template guides		



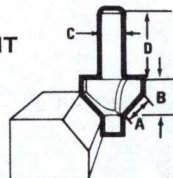
"D" Dimensions: 1 1/16"—24 Thread

*For hinge-butt mortising; all other guides for general routing.

**Use with 71022 Hinge Butt Template Kit.

45° CHAMFERING BIT

TWO FLUTES WITH PILOT
Decorative edges and 45 panel joints.

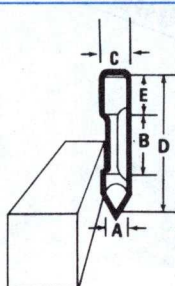


HIGH SPEED STEEL

Part/Item Code No.	Dimensions—Inches			
	A	B	C	D
11839	1/2	1/2	1/4	1

COMBINATION PANEL BIT

SINGLE FLUTE
Drill your own starting hole, then guide on template or frame for cut outs in plywood, etc.



HIGH SPEED STEEL

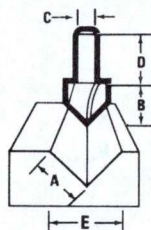
	A	B	C	D	E
19142	1/4	3/4	1/4	2 5/8	1 1/16
27838	3/8	7/8	3/8	3	1 1/16

CARBIDE TIPPED

19146	1/4	3/4	1/4	2 5/8	1 1/16
29799	3/8	1 1/16	3/8	3	1 13/32

"V" GROOVING BIT

TWO FLUTES
For simulated panel design, lettering, free hand routing.



HIGH SPEED STEEL

	A	B	C	D	E
19129	1 1/32	7/16	1/4	1	1/2
19130	7/8	7/8	1/4	1	1 15/64

COLLETS and ADAPTERS

COLLETS—Permit the use of different shank diameter bits.

Part/Item Code No.	For Bit Shank Size	For Router Model No.
10510	1/4"	299**
10512	3/8"	299
10513	1/2"	299**
17056	1/4"	295, 297**

**Included as standard equipment with tool.

COLLET ADAPTERS—For reducing collet diameters to permit use of bits with smaller diameter shanks.

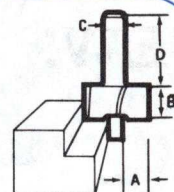
Part/Item Code No.	For Collet Size	For Bit Shank Size	Overall Length
11583	1/4"	1/8"	1"
11584	1/4"	3/16"	1 1/8"

RABBETING BIT

TWO FLUTES WITH PILOT
General rabbet or step cuts.

HIGH SPEED STEEL

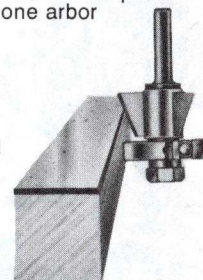
Part/Item Code No.	Dimensions—Inches			
	A	B	C	D
19131	1/4	7/16	1/4	1
19132	3/8	1/2	1/4	1



CARBIDE TIPPED BALL BEARING LAMINATE TRIMMERS

High speed ball bearing guides cutter precisely and evenly without burning or marring delicate veneers and laminates. Each cutter is available as a separate unit, therefore only one arbor is necessary.

Long life, carbide tipped cutters provide professionally smooth trim cuts in wood veneer and plastic laminate cabinet work.



NO. 69054 22° BEVEL LAMINATE TRIMMER COMPLETE

Consists of No. 69055 Arbor and No. 69056 Bevel Cutter.



NO. 69055 ARBOR

Complete with No. 69059 5/8" dia. high speed ball bearing, two spacer washers and nut. Has 1/4" shank and 1/4" arbor. For use with all cutters listed below.



NO. 69056 22° BEVEL CUTTER

NO. 69057 45° BEVEL CUTTER

Bevel Cutters have 1/4" arbor hole. Use with No. 69055 arbor.



NO. 69058 FLUSH CUTTER

Has 1/4" arbor hole and 5/8" O.D. Use with No. 69055 arbor.



NO. 69059 5/8" DIA. BALL BEARING

Same as furnished with No. 69055 arbor.

NO. 69060 13/16" DIA. BALL BEARING

For use with the No. 69056 22° and No. 69057 45° Bevel Cutters on the No. 69055 arbor. Allows operator to wear two different areas on the cutter edge before resharpening.

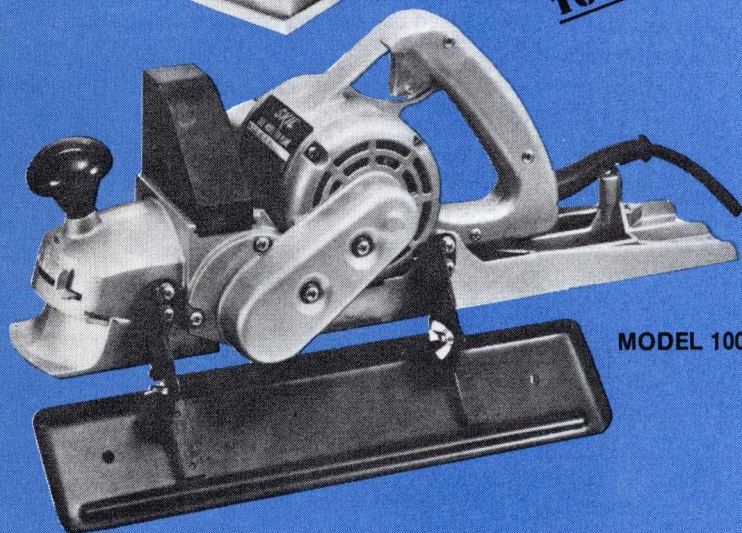


NEW!

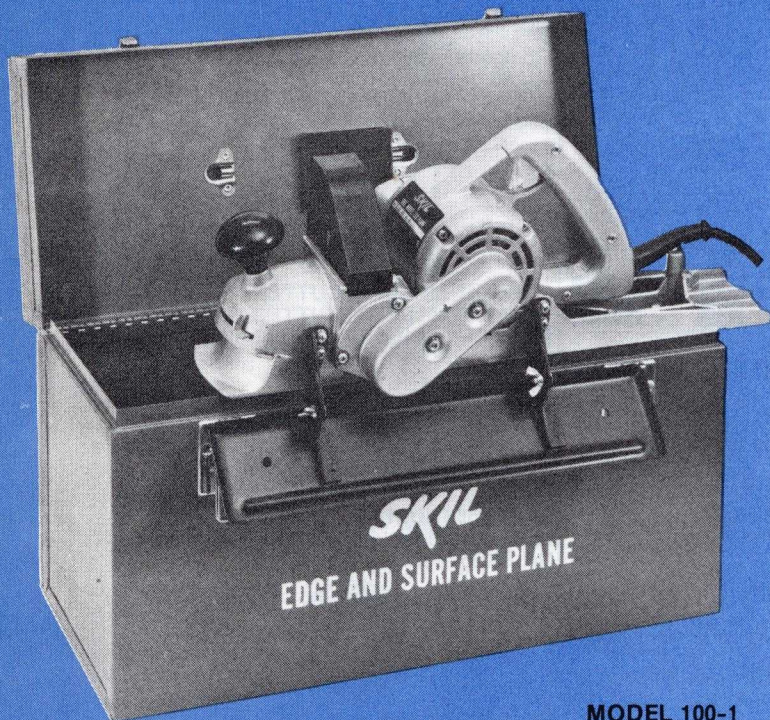


MODEL 96

**TRADESMAN
TOOL ★★★★★**



MODEL 100



MODEL 100-1

Features

MODEL 96 3 1/4" PLANE Heavy Duty

A well-balanced, lightweight, powerful and economical tool for fast and accurate edge or surface planing.

- All shielded ball bearing construction.
- Carbide tipped cutting blades for fast cutting and long blade life.
- Cutter head driven by cog-belt, requiring no lubrication.
- Conveniently located depth adjustment knob is clearly marked for accurate settings and doubles as front handle.
- Center line balance with front and rear handles placed for excellent control—eliminates gouging and uneven cutting.
- Chip deflector discharges away from operator.

MODEL 100 3" PLANE Heavy Duty

- For edge and surface planing.
- Motor-on-top design permits use of tool as surface plane or edge plane.
- Edge guide mounts on either side of plane permitting 0° to 90° adjustment, 45° right or left.
- Has cog belt drive requiring no lubrication.
- Center line balance with front and rear handle placed for excellent control — eliminates gouging or uneven cutting.
- Convenient depth setting lever "clicks" for positive stops in 1/64" increments. Maximum depth setting 1/8".
- Chip deflector can be positioned to deflect right or left away from operator.
- Cord deflector at rear keeps cord to right or left, away from work.

MODEL 100-1 Plane Kit

- Same as Model 100 above plus steel carrying case to protect plane when not in use and to carry spare blades.

SKIL PLANE ACCESSORIES

REPLACEMENT BLADES

NO. 72106—Set of two carbide tipped for use on Model 96. Same as furnished on Model 96.

NO. 11628—Set of two precision hardened steel blades for use on Model 100. Same as furnished with Model 100.

NO. 73279—Set of two carbide tipped for use on Model 100. Lasts up to 30 times longer than steel blades.

EDGE GUIDE NO. 72109—For Model 96



REPLACEMENT DRIVE BELTS

NO. 72108—For Model 96.

NO. 10625—For Model 100.

STEEL CARRYING CASE

No. 6679—Same as furnished with Model 100-1



Specifications

Switch:

Both Model 96 and 100 have momentary contact trigger-type.

Bearings:

Both Model 96 and 100 have 4 precision sealed bearings.

Equipment:

Model 96 has 2 carbide tipped cutting blades and chip deflector. * Blade Adjusting Kit and Socket Wrench.

Model 100 has 2 precision ground steel blades, hex wrench, adjustable edge guide, reversible chip deflector, blade honing bracket, bevel gauge and adjustment gauge.

Model 100-1 includes all listed for 100, plus No. 6679 carrying case.

Model/Item Code No.	Width Of Cut, Inches	Depth Of Cut, Inches	No-Load Speed Cutter Head, RPM	Amp Rating At 120V	Overall Length Inches	Net Wt., Lbs.	Ship. Wt., Lbs.
96	3 1/4	0-1/16	15,000	3.6	11 3/8	5 1/2	7 3/4
100	3	0-1/8	15,000	7.5	18	10 1/2	14 3/4
100-1	3	0-1/8	15,000	7.5	18	10 1/2*	23 3/4

Features

Skil finishing and belt sanders are designed for production service. They have power required for fast stock removal and smooth, swirl-free surfaces. Preparation of wood, composition or metal surfaces is accomplished quickly and professionally. They sand flush to verticals to make production sanding or interior refinishing easy. Well balanced construction eliminates tilting, rocking or gouging. Convenient front and rear handles allow easy alignment of sander.



MODEL 692



MODEL 661

**TRADESMAN
TOOL ★★★★★**

MODEL 692—DUAL ACTION SANDER Heavy-Duty

- Motion selector lever allows orbital action or straight line sanding.
- Large 40½ square inch sanding pad cuts production time for large area sanding.
- Dependable ball and needle bearings for smooth, trouble-free operation.
- Light-weight and easy to control.
- Burnout Protected Motor helps withstand frequent overloads.

MODEL 661—HIGH SPEED SANDER

- Operates at 10,000 orbits per minute for fast, smooth, hand-sanded-like finish.
- Double insulated for added protection.
- All ball bearing construction.
- Two hand handle style for greater control.
- Sands flush on three sides.
- Burnout Protected Motor.
- Can be used with dust collector attachment No. 71039.

Specifications

Switch:

Model 661, slide type

Model 692, has enclosed momentary contact trigger with locking button.

Bearings:

Model 661: 3 ball

Model 692: 3 ball, 1 needle.

Equipment:

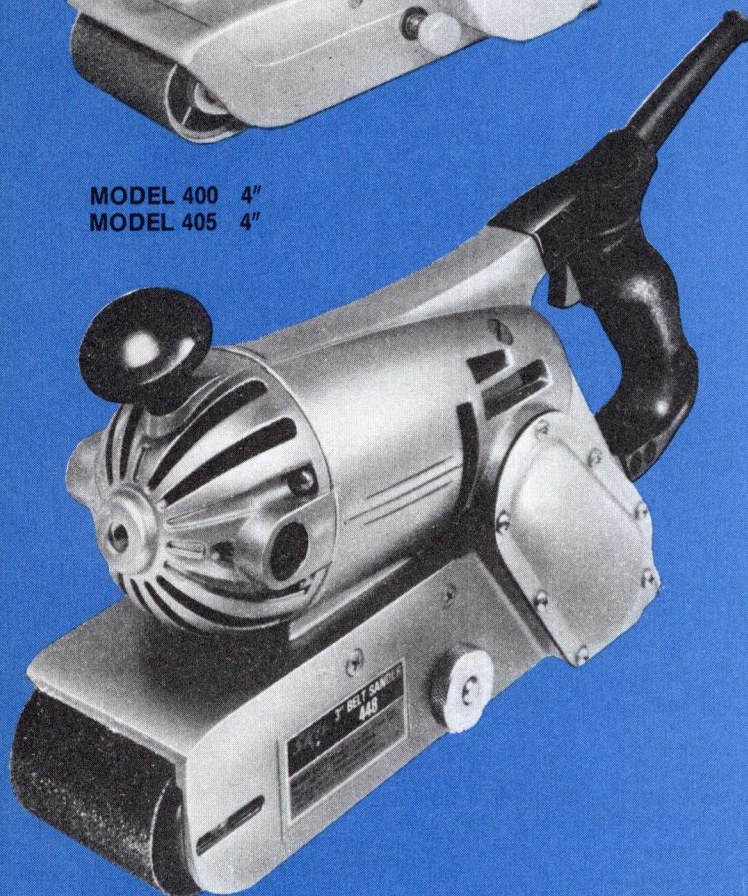
Model 692, has three sheets sandpaper (assorted grits).

Model/ Item Code No.	Sandpaper Size Inches	Sanding Pad Size Inches	Amp Rating At 120V	Orbital Sanding		Straight Line Sanding		Size, Inches			Net Wt., Lbs.	Ship. Wt., Lbs.
				Orbits Per Min., No Load Speed	Dia. Of Orbit Inches	Strokes Per Min. No Load Speed	Length Of Stroke Inches	Length	Height	Width		
692	4½x11	4½x9	2.0	5000	¾	4800	¾	9	6½	4½	6¾	8
661	3½x9	3½x7½	2.0	10,000	⅛	—	—	10½	7	3½	4¼	5

**TRADESMAN
TOOL ★★★★★**



MODEL 400 4"
MODEL 405 4"



MODEL 448 3"
MODEL 449 3"

Features

MODEL 400 4" Standard Duty with vacuum dust collector

- Wide 4" sanding belt
- Simple locking device makes belt changing easy
- Large fabric dust bag with positive closure
- Powerful Burnout Protected motor
- Low-cost, lightweight—only 12½ pounds

MODEL 405 4" Standard Duty

- Same features as Model 400 except without dust collector
- Easy to handle
- Lightweight—only 11¾ pounds

MODEL 448 3" Heavy Duty

- Tremendous power for fast stock removal. Burnout Protected Motor
- Cooler running because of large gear case oil capacity, large air vents and efficient fan design
- Lever control for retracting front roller to change belts
- Two positions for auxiliary handle

MODEL 449 3" Heavy Duty with vacuum dust collector

- Highly efficient dust pick-up system with special felt wiper at rear of sanding platen
- Heavy fabric bag with positive closure
- Plus all the outstanding features of Model 448

Specifications

Switch:

Enclosed, momentary contact trigger type. Models 405 and 400 also have pin for locking switch "on".

Equipment:

medium grit sanding belt.

Bearings:

Model 400: 3 ball; 5 oil impregnated.
Model 405: 2 ball; 6 oil impregnated.
Model 448: 4 ball; 4 oil impregnated.
Model 449: 5 ball; 4 oil impregnated.

Model/Item Code No.	Belt Size, Inches	Sanding Pad Size, Inches	Speed, No-Load, Ft., Per Min.	Amp Rating at 120V	Overall Length Inches	Overall Width Inches	Net Wt., Lbs.	Ship. Wt., Lbs.
400	4 x 21¾	4 x 4½	1350	7.0	12½**	6½	12½	15
405	4 x 21¾	4 x 4½	1350	7.0	12½	6½	11¾	14
448	3 x 24	3 x 6	1500	10.0	15½	4¼	14½	17½
449	3 x 24	3 x 6	1300	10.0	15½**	4¼	15½	18½

**Length less dust bag.

Features

MODEL 595 STANDARD-DUTY 3" BELT SANDER

- Lightweight and economical
- No-load belt speed—1000 FPM
- ¾ HP, 5.5 amp burnout protected motor

MODEL 594 STANDARD-DUTY 3" BELT SANDER

Specifications

Switch: Enclosed momentary trigger type.

Equipment: Model 595 has vacuum dust collector and bag. Both models have one 3" x 21" sanding belt.

Bearings: 1 ball; 7 oil impregnated.

Model/Item Code No.	Belt Size, Inches	Sanding Pad Size, Inches	Speed, No-Load Ft., Per Min.	Amp Rating at 120 V	Overall Length Inches	Overall Width Inches	Net Wt., Lbs.	Ship. Wt., Lbs.
594	3 x 21	3 x 4½	1000	5.5	11¾	4¼	7¾	9½
595	3 x 21	3 x 4½	1000	5.5	11¾	4¼	7¾	9½

BELT SANDER LUBRICANTS

Part/Item Code No.	Description	For Use On
249 264 267	5½ oz. tube pint ½ gal. can	Models 323, 324, 448, 449, 505 for gear case only
252 251	5½ oz. tube 2 lb. can	Models 323, 324, 448, 449, 505 for chain case only
252 251	5½ oz. tube 2 lb. can	Models 805, 445, 400, 405

SANDING SHEETS

3⅝" x 9" (5 sheets per pkg.)

Made with quality aluminum oxide abrasive for sanding wood or metal.

PKG. NO.	DESCRIPTION
25752	Very Coarse
20697	Coarse
20698	Medium
20699	Fine
25753	Extra Fine

71039 DUST COLLECTOR ATTACHMENT

Fits model 661 sander. Plugs into most tank-type vacuum cleaner hoses to help keep work area free from sanding dust.

SANDER BELTS—

Have sharpest grit at the cutting surface; are precisely cut, bonded and gauged for exact fit. 5 Belts Per Package.

Sizes

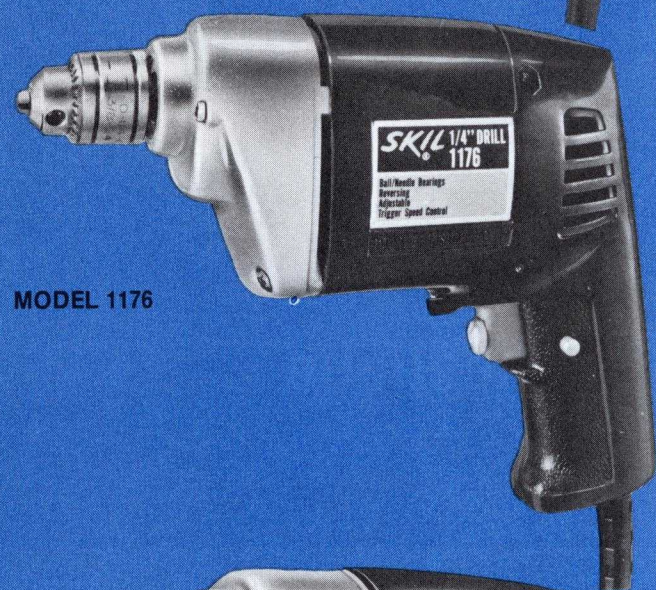
2¼" x 21½"	3" x 21"	3" x 24"	4" x 21¾"	4½" x 26"
for following SKIL current & former models (and other makes requiring similar size belts)				
505, 525 325	594, 595	448, 449 9	400, 405 805, 445	323, 324

Type	Use	Grit		Part/Item Code Numbers				
ALUMINUM OXIDE CLOSED COAT	For new or unfinished wood of all kinds, plastics, resins, soft non-ferrous metals such as lead, copper, aluminum.	24(3)	COARSE	7802	27521	7829	18842	7870
		30(2½)		7830	18842	7871		
		36(2)		7831	18842	7872		
		40(1½)	MEDIUM	7805	27522	7832	18843	7873
		50(1)		7806	27523	7833	18844	7874
		60(½)		7834	18845	7875		
80(1/0)	FINE	7807	27525	7835	19641	7876		
100(2/0)		7808	27526	7836	18846	7877		
120(3/0)		27527	7837	19642	7878			
ALUMINUM OXIDE OPEN COAT	For removing varnish, lacquer and paint. Also for resinous or green wood.	24(3)	COARSE	—	27528	7864	18847	—
		30(2½)		—	7865	18847	—	
		36(2)		—	7866	—	7907	
		40(1½)	MEDIUM	—	27529	7867	18848	—
		50(1)		—	7868	—	7909	
		60(½)		—	7869	—	7910	
ALUMINUM OXIDE CLOSED COAT	For ferrous metals; also hard bronze, hard brass, hard aluminum. (Wiping work with cutting oil is often helpful.)	24	COARSE	7802	27521	—	18842	7870
		30		—	—	7840	—	7871
		36		—	—	7840	—	7872
		40	MEDIUM	—	27522	—	18843	7873
		50		7805	27523	7842	18844	7874
		60		7806	27524	7843	18845	7875
		80	FINE	7807	27525	7844	19641	7876
		100		7808	27526	—	18846	7877
120	—	27527		7846	19642	7878		

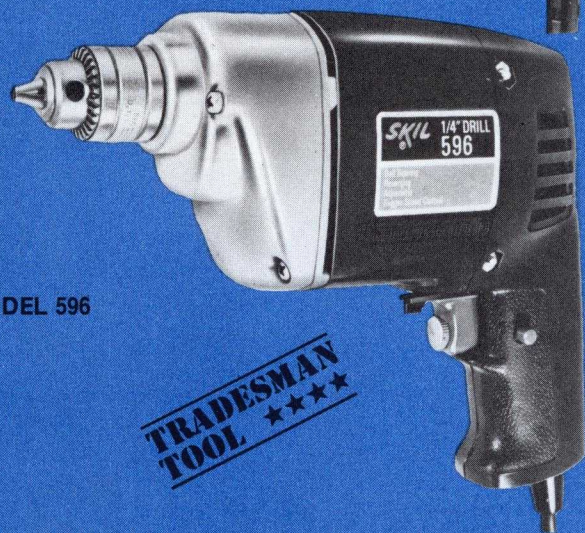
SKIL 1/4" Drills



MODEL 75
MODEL 75-84
MODEL 220



MODEL 1176



MODEL 596

**TRADESMAN
TOOL ★★★★★**

Features

MODEL 75 1/4" SUPER-DUTY Single Speed
MODEL 75-84 220/240 Volt Version
MODEL 220 1/4" SUPER-DUTY
Variable Speed-Reversing

- Precision geared heavy-duty industrial chuck for positive bit retention and accurate drilling applications.
- Helical and spur, double reduction gears for the toughest applications.
- High performance super-duty Burnout Protected Motor for longer life.
- All ball and needle bearings for smoother, more dependable performance.
- Improved venting system allows tool to run cooler, for longer tool life.
- High-strength polycarbonate handle designed for easier operation and balance.
- Industrial 8 ft. cord with 3 wire grounded system; improved heavy-duty strain relief retainer helps prevent cord pullouts.
- Recessed locking button for greater safety and user convenience.
- **Bearings:** 4 ball; 2 needle.

MODEL 1176 1/4" HEAVY-DUTY
Variable Speed-Reversing-Adjustable

- Variable speed and reversing features enable driving and removing screws, nuts and bolts.
- Rugged, Burnout Protected Motor helps withstand overloads without damage.
- Double insulated for added protection.
- Top speed can be set lower than maximum by use of speed adjusting knob on trigger. This feature is especially useful when driving large quantity of screws or during delicate drilling applications.
- All ball and needle bearings for smoother running, longer tool life.
- High-strength polycarbonate handle and motor housing help protect and prolong the life of the tool.
- **Bearings:** 3 ball; 1 needle.

MODEL 596 1/4" STANDARD-DUTY
Variable Speed-Reversing-Adjustable

- Variable speed and reversing features enable driving and removing screws, nuts and bolts.
- Double reduction gears supply added torque.
- Burnout Protected Motor helps withstand overloads without damage.
- Double insulated for added protection.
- Top speed can be set lower than maximum by use of speed adjusting knob on trigger. This feature is especially useful when driving large quantity of screws or during delicate drilling applications.
- Ball bearing construction.
- **Bearings:** 1 ball; 2 needle; 4 oil impregnated.

**Key to Switch Type Abbreviations:

on/off—Simple on-off switch used on single or 2-speed drills.

VSR —Variable speed with reversing feature.

VSRA—Variable speed with reversing feature and adjustable top-speed knob.

Specifications

Switch: Enclosed momentary contact trigger with locking button. Models 220, 596, and 1176 have trigger speed control reversing switches for use with 50-60 Hz. AC only. Models 75, 75-84 are AC-DC.

Equipment: Geared chuck with key and key holder.

Model/Item Code No.	Duty Rating	Handle Type	** Switch Type	Drilling Capacity—Inches		No Load rpm	Full Load rpm	Amp. Rating at 120V	Overall Length, Inches	Net Wt., Lbs.	Shp. Wt., Lbs.
				Steel	Hardwood						
75*	super	pistol	on/off	1/4	1/2	1800	1300	3.0	8 1/2	3 1/2	4 3/4
220*	super	pistol	VSR	1/4	1/2	0-1800	1300	3.0	8 1/2	3 1/2	4 3/4
596	standard	pistol	VSRA	1/4	1/2	0-2000	1700	2.7	9	3 3/4	4
1176	heavy	pistol	VSRA	1/4	1/2	0-2100	1540	3.0	9	3 3/4	4 3/4

*Alternate speeds 1000, 2500, 3500, 5000 RPM available. See your Skil Service Center for conversion.

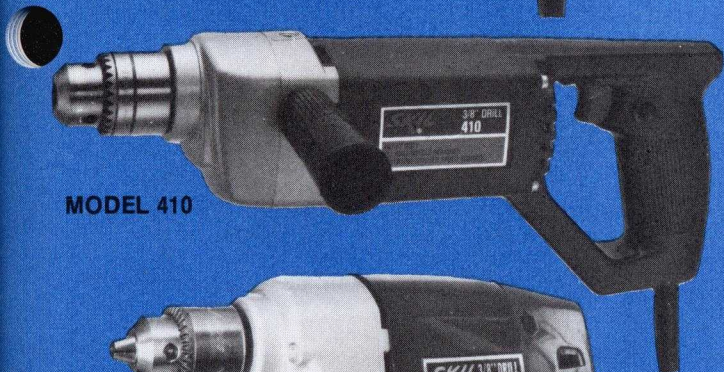
For Accessories, See Pages 49-50

All Tools on this Page Comply With OSHA Standards.

SKIL 3/8" Drills



MODEL 78
MODEL 78-84 220/240-volt version
MODEL 223



MODEL 410



MODEL 1177
MODEL 1197



MODEL 597

**TRADESMAN
TOOL ★★★★★**

Features

All drills on this page share these features:

- Double reduction gears for the toughest applications.
- Burnout protected motor helps withstand overload without damage.

MODEL 78 3/8" SUPER-DUTY Single Speed MODEL 223 3/8" SUPER-DUTY

Variable Speed—Reversing

- Improved venting system allows tool to run cooler, for longer tool life.
- Recessed locking button for greater safety and user convenience.
- Auxiliary side handle fits left or right side.
- Bearings: 4 ball; 2 needle.

MODEL 410 3/8" SUPER-DUTY Variable Speed — Reversing

- Radiator and flow-through fan system for extra cooling while running.
- Auxiliary, three-position, removable handle fits either side or top.
- Bearings: 3 ball; 3 needle.

MODEL 1197 3/8" HEAVY-DUTY—Single Speed MODEL 1177 3/8" HEAVY-DUTY Variable Speed—Reversing—Adjustable

- Double insulated for added protection.
- Top speed can be set lower than maximum by use of speed adjusting knob on trigger. This feature is especially useful when driving large quantity of screws or during delicate applications.
- Reversing lever and locking button are conveniently located for the operator.
- Bearings: 3 ball; 3 needle.

MODEL 597 3/8" STANDARD-DUTY Variable Speed—Reversing—Adjustable

- Double insulated for added protection.
- Top speed can be set lower than maximum by use of speed adjusting knob on trigger. This feature is especially useful when driving large quantity of screws or during delicate applications.
- Reversing lever and locking button are conveniently located for the operator.
- Bearings: 1 ball; 1 ball thrust; 1 needle; 4 oil impregnated.

**Key to Switch Type Abbreviations:

on/off—Simple on-off switch used on single or 2-speed drills.

VS —Variable speed with reversing feature.

VSRA—Variable speed with reversing feature and adjustable top-speed knob.

Specifications

Switch: Enclosed momentary contact with locking button.

Models 223, 410, 597, 1177, 1197 switches are for use with 50-60Hz. AC only. Models 78, 78-84 are AC-DC.

Equipment: Chuck key and key holder, removable side handle.

Model/Item Code No.	Duty Rating	Handle Type	Switch Type	Drilling Capacity—Inches		No Load RPM	Full Load RPM	Amp Rating At 120V	Overall Length Inches	Net Wt., Lbs.	Ship. Wt., Lbs.
				Steel	Hardwood						
78*	super	pistol	on/off	3/8	3/4	750	525	3.0	9	3 3/4	4 3/4
223*	super	pistol	VS	3/8	3/4	0-750	525	3.0	9	3 3/4	4 3/4
410	heavy	"D"	VSRA	3/8	7/8	0-750	450	5.0	14 7/8	6 3/4	7 3/4
1177	heavy	pistol	VSRA	3/8	3/4	0-800	565	3.2	9 1/2	3 3/4	4 1/4
1197	heavy	pistol	on/off	3/8	3/4	800	565	3.2	9 1/2	3 3/4	4 1/4
597	Standard	pistol	VSRA	3/8	3/4	0-750	580	3.2	9 1/2	3 3/4	4

*Alternate speed available. See your Skil Service Center for conversion.

For Accessories, See Pages 49-50

All Tools on this Page Comply With OSHA Standards.

6

SKIL 3/8" BOAR GUN™ Drills and Screwdrivers

Features

POWERED FOR THE PROFESSIONAL
MODEL 2008 3/8" CORDLESS HEAVY-DUTY
Variable Speed 0-250 RPM —

Reversing — 1 Hr. Quick Charge

- Designed for tough drilling and screwdriving applications.

MODEL 2012 3/8" CORDLESS HEAVY-DUTY
Variable Speed 0-750 RPM —

Reversing — 1 Hr. Quick Charge

- Designed for most fast drilling and driving applications.

MODEL 2016 3/8" CORDLESS HEAVY-DUTY
Two Variable Speed Ranges — 0-250 and
0-750 RPM — Reversing — 1 Hr. Quick Charge

- Designed with two variable speed ranges, which shift gears to deliver full power in either range.
- High gear for fast drilling applications; low gear for tough drilling and screwdriving applications.

All of the following features are common to all cordless drills on this page:

- Double reduction gearing for added torque.
- Safety trigger lock to prevent turning on drill, accidentally, and wasting power.
- Rechargeable energy-pack plugs into drill handle or power source.
- Energy-pack recharges in one hour, from zero to full charge.
- Can be recharged up to 1000 times.
- With the use of a second energy-pack, available as an accessory, you can always have one charged, ready to plug into your drill for continued operation.
- Charger has temperature controlled cut-off to prevent overcharge.
- Energy-pack has built-in chuck key holder.
- Ball bearing construction for maximum power output.

MODELS 2008, 2012, and 2016 AVAILABLE MARCH, 1979.

****Key to Switch Type Abbreviations:**

VSR —Variable speed with reversing feature.

Specifications

Switch:

Model 2008, 2012, and 2016 have variable speed, enclosed momentary contact trigger with reversing and lock-off feature. Model 2016 has two-speed-range selector button.

Bearings:

1 ball thrust; 6 oil impregnated.

Equipment:

Models 2008, 2012 and 2016 have rechargeable energy pack, recharger and geared chuck and key.



MODEL 2008
MODEL 2012

NEW!

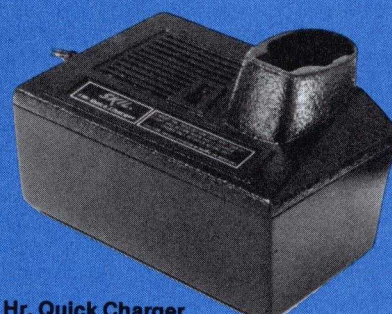
**TRADESMAN
TOOL ★★★★★**



MODEL 2016

NEW!

**TRADESMAN
TOOL ★★★★★**



1 Hr. Quick Charger
120 V., AC

Model/Item Code No.	Duty Rating	Handle Type	** Switch Type	Drilling Capacity— Inches		No Load RPM	Overall Length, Inches	Net Wt., Lbs.	Shp. Wt., Lbs.
				Mild Steel	Wood				
2008	Heavy	pistol	VSR	3/8"	3/4"	0-250	10	3.2	6.5
2012	Heavy	pistol	VSR	3/8"	3/4"	0-750	10	3.2	6.5
2016	Heavy	pistol	VSR	3/8"	3/4"	Lo Gear 0-250 Hi Gear 0-750	10	3.2	6.5

SKIL 3/8" Drills

Features

MODEL 2007 3/8" CORDLESS STANDARD-DUTY

Two-Speed — Reversing — 1 Hr. **Quick Charge**

- Operates at 100 RPM and 300 RPM, forward and reverse.
- Recharges in one hour, from zero to full charge.
- Ready-light located in rear housing indicates when tool is fully charged.
- Can be recharged up to 1000 times.
- Battery thermostat automatically prevents overcharge.
- Double reduction gearing for added torque.
- High torque, low RPM and reversing feature, make it an efficient screwdriver.
- Completely portable, goes anywhere you go.
- Weighs only 2.3 lbs. and is designed for excellent balance.
- Trigger lock helps prevent accidental starts.
- Chuck key is stored in the handle to help prevent loss.
- Recharger, included with the drill, works on ordinary 120 volt AC.
- Ball bearing construction for maximum power output.

MODEL 2006 3/8" CORDLESS STANDARD-DUTY

Single Speed —

- Has all the same features as Model 2007, except it is single speed.

6

Specifications

Switch:

Models 2006 and 2007 have enclosed momentary contact with separate on/off safety lever and reversing switch.

Bearings:

1 ball thrust; 5 oil impregnated.

Equipment:

Models 2006 and 2007 have recharger and geared chuck key.

**Key to Switch Type Abbreviations:

on/off—Simple on-off switch with reversing feature used on single or 2-speed drills.

MODEL 2007
NEW!

**TRADESMAN
TOOL ★★★★★**



MODEL 2006

**TRADESMAN
TOOL ★★★★★**

Model/Item Code No.	Duty Rating	Handle Type	** Switch Type	Drilling Capacity— Inches		No Load RPM	Overall Length, Inches	Net Wt., Lbs.	Shp. Wt., Lbs.
				Mild Steel	Wood				
2006	Standard	pistol	On/Off, Rev.	3/8	3/4	300	8 7/8	2.3	3.5
2007	Standard	pistol	On/Off, Rev. Two-speed	3/8	3/4	low-100 high-300	8 7/8	2.3	3.5

For Accessories, See Pages 49-50

All Tools on this Page Comply With OSHA Standards.

SKIL 1/2" Drills

Features

MODEL 224 1/2" SUPER-DUTY-Variable Speed-Reversing

- Precision geared heavy-duty industrial chuck for positive bit retention and accurate drilling applications.
- Helical and spur double reduction gears for the toughest application.
- High performance super duty Burnout Protected Motor for longer life.
- All ball and needle bearings for smoother, more dependable performance.
- Improved venting system allows tool to run cooler, for longer tool life.
- High-strength polycarbonate insulated handle designed for easier operation and balance.
- Extra heavy-duty 6 amp. switch.
- Industrial 8 ft. cord with 3 wire grounded system.
- Improved cord and strain relief retainer helps prevent cord pull outs.
- Recessed locking button for greater safety and user convenience.
- Serialized nameplate to help prevent theft.
- **Bearings:** 4 ball; 2 needle.

MODEL 1178 1/2" HEAVY-DUTY Variable Speed-Reversing-Adjustable

- Variable speed and reversing features enable driving and removing screws, nuts and bolts.
- Double reduction gears supply added torque for tough jobs.
- Rugged Burnout Protected Motor helps withstand overloads without damage.
- Double insulated for added protection.
- Top speed can be set lower than maximum by use of speed adjusting knob on trigger. This feature is especially useful when driving large quantity of screws or during delicate drilling applications.
- All ball and needle bearings for smoother running, longer tool life.
- High-strength polycarbonate handle and motor housing help protect and prolong the life of the tool.
- Reversing lever and locking button are conveniently located for the operator.
- **Bearings:** 3 ball; 3 needle.

MODEL 598 1/2" STANDARD-DUTY Variable Speed-Reversing-Adjustable

- Variable speed and reversing features enable driving and removing screws, nuts and bolts.
- Double reduction gears supply added torque.
- Burnout Protected Motor helps withstand overloads without damage.
- Top speed can be set lower than maximum by use of speed adjusting knob on trigger. This feature is especially useful when driving large quantities of screws or during delicate drilling applications.
- High-strength polycarbonate handle and motor housing help protect and prolong the life of the tool.
- Reversing lever and locking button are conveniently located for the operator.
- **Bearings:** 1 ball; 1 needle; 1 ball thrust; 4 oil impregnated.

Specifications

Switch:

Enclosed momentary contact trigger with locking button. All are trigger speed control switches for use with 50-60 Hz. AC only.

Bearings: See individual tool features.

Equipment: Chuck key and key holder. All models have removable auxiliary handles.



MODEL 224



MODEL 1178

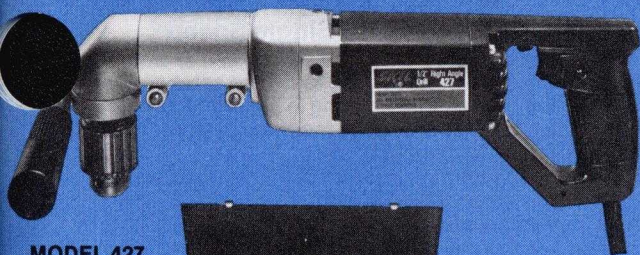


MODEL 598

**TRADESMAN
TOOL ★★★★★**

Model/Item Code No.	Duty Rating	Handle Type	Switch Type	Drilling Capacity—Inches		No Load RPM	Full Load RPM	Amp Rating At 120V	Overall Length Inches	Net Wt., Lbs.	Ship. Wt., Lbs.
				Steel	Hardwood						
224	super	pistol	VSR	1/2	1	0-600	450	3.0	9 1/2	3 3/8	5
598	standard	pistol	VSRA	1/2	1	0-500	400	3.2	9 1/2	4	4 1/4
1178	heavy	pistol	VSRA	1/2	1	0-550	415	3.2	9 1/2	3 3/4	4 1/4

SKIL 1/2" Drills



MODEL 427



MODEL 427-1 RIGHT ANGLE DRILL KIT



MODEL 425

**TRADESMAN
TOOL ★★★★★**



MODEL 415

Features

MODEL 427 1/2" SUPER-DUTY—RIGHT ANGLE Two Speed—Reversing

- Right angle attachment mounts two ways to provide high and low speed
- Right angle attachment can be rotated 360° to drill in any position for complete versatility
- Right angle attachment can be removed to convert drill to conventional style
- Precision cut, heat treated alloy steel helical, zerol and spur gearing
- All ball and needle bearing construction
- Insulated handles of polycarbonate for added safety
- Glass reinforced nylon motor housing is non-electric-conducting and has high impact strength
- Die cast aluminum front housing and right angle attachment for precision, lightweight and strength
- Removable auxiliary handle can be mounted to adjusting collar or on drill in any of three positions
- Burnout Protected motor helps withstand overloads without damage
- Reversing lever and locking button are conveniently located and easy to operate
- **Bearings:** 5 ball; 5 needle

MODEL 425 1/2" SUPER-DUTY Variable Speed—Reversing

MODEL 415 1/2" SUPER-DUTY Variable Speed—Reversing

- Precision cut, heat treated alloy steel helical and spur gearing
- All ball and needle bearing construction
- Insulated handles of polycarbonate for added safety
- Glass reinforced nylon motor housing is non-electric-conducting and has high impact strength
- Die cast aluminum front housing for precision, lightweight and strength
- Removable auxiliary handle can be mounted in any of three positions
- Burnout Protected motor helps withstand overloads without damage
- Reversing lever and locking button are conveniently located and easy to operate
- **Bearing:** 3 ball; 3 needle

Specifications

Switch:

Enclosed momentary contact trigger with locking button. Models 415, 425 switches are for use with 50-60 Hz. AC only.

Bearings:

See individual tool features.

Equipment:

Chuck key and key holder.

All models have removable auxiliary handles. Models 427, 427-1 have 2 wrenches and hex key. Model 427-1 also includes 2 3/16" self-feeding bit, steel case.

Model/Item Code No.	Duty Rating	Handle Type	Switch Type	Drilling Capacity—Inches		No Load RPM	Full Load RPM	Amp Rating at 120V	Overall Length, Inches	Net Wt., Lbs.	Shp. Wt., Lbs.
				Steel	Hardwood						
415	Super	"D"	VSCR	1/2	1 1/8	0-650	400	5.0	14 7/8	7 1/4	8 3/4
425*	Super	Spade & Center	VSCR	1/2	1 1/8	0-650	400	5.0	14 3/4	7	9
427	Super	"D"	On/Off, Rev.	1/2	2 3/16	450 low 975 high 650 without right angle	300 650 400	6.0	17	9 1/2	12

*Alternate speed available. See your Skil Service Center for conversion.

SKIL 1/2", 5/8" and 3/4" Drills

MODEL 80
MODEL 80-84 220/240-volt

NEW!
MODEL 542

**TRADESMAN
TOOL ★★★★★**

NEW!
MODEL 540

**TRADESMAN
TOOL ★★★★★**

**540 & 542
Available
March 1979**

MODEL 351
MODEL 543

Features

MODEL 80 1/2" HEAVY-DUTY Single Speed

- Precision cut, heat treated alloy steel helical and spur gearin
- Insulated handles of polycarbonate, for added safety.
- Glass reinforced nylon motor housing is non-conducting
- Removable, auxiliary handle can be mounted in any of three positions. Rear handle mounts in two positions.
- Burnout Protected motor helps withstand overloads without damage.

- **Bearings:** 3 ball, 3 needle.

MODEL 540 1/2" HEAVY DUTY Single Speed—Reversing

- Handles many commercial and trades applications.
- Double reduction gearing of heat treated alloy steel.
- Removable auxiliary side handle also mounts on top. Rear, spade handle mounts in two positions.
- Burnout protected motor.

- **Bearings:** 4 ball; 1 needle; 2 sleeve; 1 flange.

MODEL 542 1/2" HEAVY-DUTY Variable Speed—Reversing

- Designed to handle commercial and service applications.
- Double reduction gearing of heat treated alloy steel.
- Removable auxiliary side handle may also be mounted on top. Rear, spade handle mounts in two positions.
- Burnout protected motor.

- **Bearings:** 5 ball; 3 needle

MODEL 351 5/8" SUPER-DUTY Single Speed—Reversing

- Double reduction helical and spur gearing of heat treated alloy steel.
- Super-duty industrial chuck for extra capacity.
- Extra long T type handle and removable top handle for added leverage and control.

- Power 10 amp. Burnout Protected motor.

- **Bearings:** 6 ball.

MODEL 543 3/4" SUPER-DUTY Single Speed—Reversing

- Triple reduction gearing for increased torque.
- Helical and spur gearing of heat treated alloy steel.
- Super-duty industrial chuck will accommodate bits 1/4" to 13/16".
- Extra long T type handle and removable top handle for added leverage and control.

- Powerful 10 amp. Burnout Protected motor.

- **Bearings:** 4 ball; 4 needle.

Specifications

Switch: Enclosed momentary contact trigger with locking button. Model 540 and 542 switches are for use with 50-60Hz. AC only.

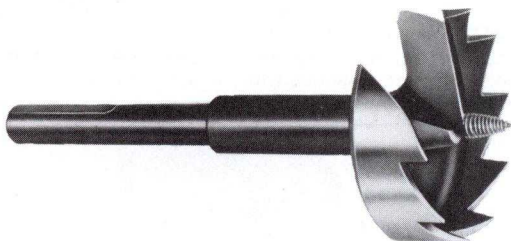
Bearings: See individual tool features.

Equipment: Models 80, 540 and 542 have detachable side and rear handles. Model 351 and 543 have detachable pipe handles. All models have geared chuck with key and key holder.

Model/Item Code No.	Duty Rating	Handle Type	Switch Type	Drilling Capacity—Inches		No Load RPM	Full Load RPM	Amp Rating at 120V	Overall Length, Inches	Net Wt., Lbs.	Shp. Wt., Lbs.
				Steel	Hardwood						
80	Heavy	Spade & Center	On/Off	1/2	1	650	400	6	14 3/4	7	7 1/2
540	Heavy	Spade & Center	On/Off, Rev.	1/2	1	500	430	4	10 3/8	5 3/8	7 3/8
542	Heavy	Spade & Center	VSR	1/2	1	0-500	400	6	10 3/8	5 5/8	7 5/8
351*	Super	Spade & Center	On/Off, Rev.	5/8	1 1/4	500	320	10	16	13	15 1/4
543**	Super	Spade & Center	On/Off, Rev.	3/4	1 3/4	375	225	10	17 3/4	16 1/4	18 3/4

SKIL Drill Accessories

SCREWDRIVER BITS AND SOCKETS SHOWN ON PAGES 55 & 56 CAN BE USED WITH VARIABLE SPEED DRILLS.



SELF-FEEDING BITS

Skil Self Feeding bits provide most economical way to drill large $\frac{7}{8}$ " to $2\frac{5}{16}$ " diameter holes in wood, plastic, composition with minimum feed pressure!

They are specially suited for drilling large diameter holes in hard-to-reach areas in between studs and joists. Ideal for plumbers, carpenters, electricians—all tradesmen. Self feeding for fast drilling with less effort. Cuts clean smooth holes. Effective even in hardwood, wet or gummy lumber.

Reference			
Part/Item Code No.	Bit Dia. Inches	Nominal Iron Pipe Size	Actual Outside Diameter
73280	$\frac{7}{8}$	$\frac{1}{2}$.840
73281	$1\frac{1}{8}$	$\frac{3}{4}$	1.050
73282	$1\frac{3}{8}$	1	1.315
73283	$1\frac{1}{4}$	$1\frac{1}{4}$	1.660
73284	$2\frac{1}{8}$	$1\frac{1}{2}$	1.990
73285	$2\frac{5}{16}$	2	2.375

All have $\frac{1}{2}$ " shank diameter.



MASONRY BITS—Carbide Tipped

For drilling in cement, brick, cinder block and other masonry materials.

Part/Item Code No.	Dia. Inches	Shank Dia.	Overall Lgth.	Part/Item Code No.	Dia. Inches	Shank Dia.	Overall Lgth.
29921	$\frac{3}{16}$	$\frac{3}{16}$	4	22132	$\frac{1}{2}$	$\frac{3}{8}$	6
22128	$\frac{1}{4}$	$\frac{1}{4}$	4	29916	$\frac{9}{16}$	$\frac{7}{16}$	6
22129	$\frac{5}{16}$	$\frac{1}{4}$	4	29917	$\frac{5}{8}$	$\frac{1}{2}$	6
22130	$\frac{3}{8}$	$\frac{1}{4}$	4	29919	$\frac{3}{4}$	$\frac{1}{2}$	6
22131	$\frac{7}{16}$	$\frac{1}{4}$	6				

ADJUSTABLE SCREW DRILLS

Drill holes, countersink and counterbore in one operation.

Part/Item Code No.	Screw Size
68251	6
68252	8
68253	10
68254	12



Replacement Pilot Drills only ($\frac{1}{4}$ " dia.)

NO. 20874—Carbon Steel. For No. 20842 mandrel.

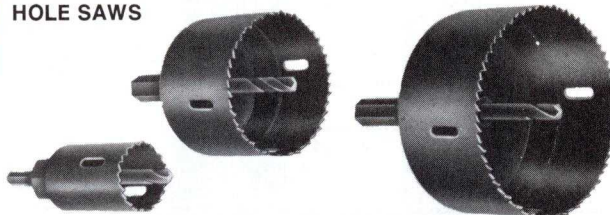
NO. 20847—High Speed Steel. For Nos. 20843, 20844 and 20845 mandrels.

MANDRELS WITH PILOT DRILLS

Power Drill Capacity	Part/Item Code No.	For Hole Saw Arbor Size	
$\frac{1}{4}$ "	20842	$\frac{1}{2}$ " x 20	
$\frac{1}{2}$ "	20843	$\frac{1}{2}$ " x 20	
or	20844	$\frac{5}{8}$ " x 18	
Larger	20845*	$\frac{5}{8}$ " x 18	

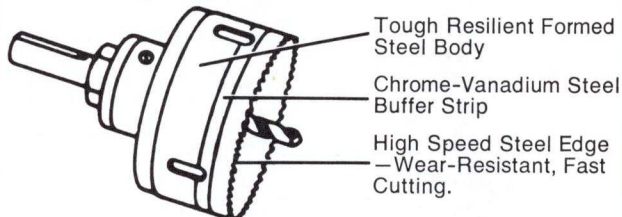
*For extra heavy-duty cutting.

HOLE SAWS



ONE PIECE CONSTRUCTION

3 types of steel are forge-welded . . . then rolled to thickness . . . will not edge-strip or shatter.



Tough Resilient Formed Steel Body

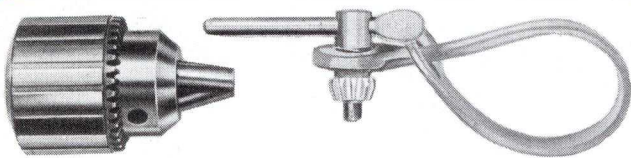
Chrome-Vanadium Steel Buffer Strip

High Speed Steel Edge — Wear-Resistant, Fast Cutting.

High speed steel cutting edge for fast cutting of wood, metal, plastic, composition and other materials. Hole saws up to $1\frac{1}{2}$ dia. may be used with No. 20842 Mandrel in $\frac{1}{4}$ " or larger drills; other sizes of hole saws and mandrels require $\frac{1}{2}$ " or larger drills. *Mandrels and pilot drills not included. Order separately.*

Part/Item Code No.	Dia. of Saw, Inches	For Pipe Tap Size	For Pipe Entrance Size	Saw Arbor Size	Use Mandrel
20818	$\frac{5}{8}$	—	—	$\frac{1}{2}$ x 20	20842 or 20843
20819	$\frac{3}{4}$	—	$\frac{3}{8}$		
20820	$\frac{7}{8}$	$\frac{3}{4}$	$\frac{1}{2}$		
20821	1	—	$\frac{3}{4}$		
20822	$1\frac{1}{8}$	1	—		
20823	$1\frac{1}{4}$	—	—	$\frac{1}{2}$ x 20	20844 or 20845
21559	$1\frac{1}{4}$	—	—		
20824	$1\frac{3}{8}$	—	1		
21560	$1\frac{3}{8}$	—	—		
20825	$1\frac{1}{2}$	$1\frac{1}{4}$	—		
21561	$1\frac{1}{2}$	$1\frac{1}{4}$	—	$\frac{5}{8}$ x 18	20844 or 20845
20826	$1\frac{5}{8}$	—	—		
20827	$1\frac{3}{4}$	$1\frac{1}{2}$	$1\frac{1}{4}$		
20828	$1\frac{7}{8}$	—	—		
20829	2	—	$1\frac{1}{2}$		
20830	$2\frac{1}{8}$	—	—		
20831	$2\frac{1}{4}$	2	—		
20832	$2\frac{3}{8}$	—	—		
20833	$2\frac{1}{2}$	—	2		
20834	$2\frac{5}{8}$	—	—		
20835	$2\frac{3}{4}$	$2\frac{1}{2}$	—		
20836	$2\frac{7}{8}$	—	—		
20837	3	—	$2\frac{1}{2}$		
20838	$3\frac{1}{8}$	—	—		
20839	$3\frac{1}{4}$	3	—		
20840	$3\frac{3}{8}$	—	—		
20841	$3\frac{1}{2}$	—	—		
43380	$3\frac{3}{4}$	$3\frac{1}{2}$	3	$\frac{5}{8}$ x 18	20845
43382	4	—	—		
43384	$4\frac{1}{4}$	—	$3\frac{1}{2}$		
43386	$4\frac{1}{2}$	—	4		
43387	$4\frac{3}{4}$	$4\frac{1}{2}$	—		
43388	5	—	—		
43389	$5\frac{1}{2}$	—	—		
43390	6	—	—		

SKIL Drill Accessories



GEARED DRILL CHUCKS AND KEYS

Highest quality. For use on SKIL drills as indicated and other makes having thread size or taper indicated.

Capacity	Part/Item Code No. Chuck & Key	Spindle & Thread Size	Duty Rating	For SKIL Drill Model Nos.
1/4"	67973	3/8"-24	Standard	70, 84, 85, 134, 138, 94, 161, 241, 546, 550, 1100, 1101, 1150, 1176, 596 except type 1
	68804	3/8"-24	Heavy	45, 47, 49, 69, 75, 215, 211, 220, 228, 243 type 3
3/8"	67974	3/8"-24	Standard	97, 597 except type 1, 76, 1151, 1177, 1197, 2002
	73249	3/8"-24	Heavy	78, 88, 90, 203, 212, 213, 217, 219, 222, 223, 233, 262, 269
	71089	1/2"-20	Heavy	212 Type 3
	4423	1/2"-20	Heavy	64, 260, 404, 410
1/2"	67975	3/8"-24	Heavy	541, 1106, 545, 598 except type 1, 79, 91, 214, 218, 224, 234, 1178, 926, 212, 222
	71862	1/2"-20	Heavy	80, 181, 263, 268, 281
	29854	5/8"-16	Heavy	446, 624, 627, 415, 420, 425, 680, 681, 427, 42700 right angle attachment

Check manufacturers stamp part or code numbers on all chucks. The chart below shows which Skil key to use with these various chuck part or code numbers.

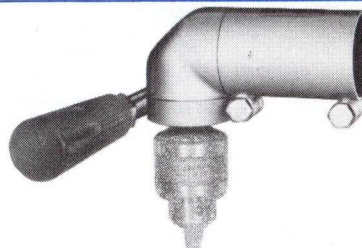
Capacity	KEY Part/Item Code No.	CHUCK Part/Item Code No.
1/4"	3385	4A, 4B, 7, 7B, 7BA, R7-38 R7-38TH, R6-38, R6-38TH
3/8"	1758	SUH-13A—31B, R8-38, 61843
	3766	3B, 32, 32B, 33B, 33BA, 500D
	11238	2B
	71860	B1A, B80A, B85A, B90, C-25-1-1, C-38-1-1, C38-3-1, C382, C383, DC1G61, DC4G61, H1G61, H4G61, MC1G61, 6LTM
1/2"	71861	24B, DC8K61, DC8K64, H8K61, H8K64, MC8K64, JA76/K

23756 Rubber Holder for Chuck Key.



NO. 9426 ARBOR ADAPTER

Fits 1/4" or larger capacity drill. For wire wheels, grinding wheels, other accessories with 1/2" arbor holes.



NO. 42700 RIGHT ANGLE ATTACHMENT

This 2-speed right angle attachment may be used to convert the Model 415 1/2" Drill to right angle applications. Has rugged gears and precision bearings. Fits directly on Model 415 or as replacement for Model 427. Attachment may be operated in forward or reverse. Overall lengths: 5 1/2", offset 1 1/2". Net wt. 2 1/2 lbs.

CORDLESS DRILL ACCESSORIES CHARGERS

NO. 72063 For use with Models 2006 and 2007.

NO. 72065 For use with Models 2008, 2012, 2016 and energy-pack No. 72064.



ENERGY PACK

NO. 72064 For use with Models 2008, 2012, and 2016. Requires charger No. 72065

AUTOMOTIVE-TYPE CHARGERS

For use in 12 volt DC automotive-type systems. Plugs into cigarette lighter receptable.

NO. 71876 For use with Models 2006 and 2007 (16 hour full charge).

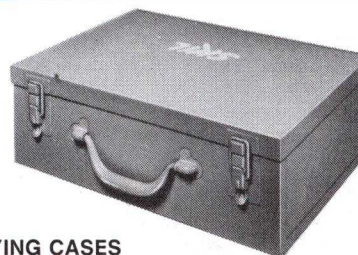
NO. 72066 For use with Models 2008, 2012, and 2016 (1 hour full charge.) No. 72066 will be available October 1979.

HOLSTERS

Open-end design accepts tool with bit in chuck. Heavy-duty vinyl, with capped rivets at stress points.

NO. 71865 For Models 2006 and 2007.

NO. 71864 For Models 2008, 2012 and 2016.



CARRYING CASES

Heavy gauge steel construction. Holds tool and all accessories. Protects against weather, rust, dirt.

No. 69028—For drill Models 401, 402, 403, 404, 410, 415, 427.

LUBRICANTS—For all drills.

No. 252—5 3/8 oz. Tube

No. 251—2 lb. can

SKIL Wet and Dry Vacuums

MODEL 2505

MODEL 2500

Features

**MODEL 2500—8 GALLON
Wet and Dry Vacuum Cleaner**
**MODEL 2505—10 GALLON
Wet and Dry Vacuum Cleaner**

- Model 2500 has four wheel dolly for easy mobility.
- Model 2505 has chrome handled, three wheel, industrial dolly for easy, well balanced mobility. Long, 18 ft., 3-prong cord permits wide area cleaning from one outlet.

All the following features are common to both models:

- Sturdy all steel tank with rust-resistant baked epoxy interior.
- Hose connects to front of tank to help prevent tipping and increase ease of pulling tank as you vacuum.
- Positive lock inlet accepts 1 1/4" and 1 1/2" hoses, without adapters.
- Automatic float shutoff protects motor from water.
- Can be used as a blower.

Specifications

Electrical: Model 2500—6 amps., 120 V, 60Hz; 8 ft., three prong cord; Model 2505—6 amps., 120 V, 60Hz; 18 ft., three prong cord.

Equipment: Model 2500 includes 6 ft. x 1 1/4" plastic hose; two 20" x 1 1/4" extension tubes; 6" x 1 1/4" master head with brush and squeegee attachments; four wheel dolly; foam filter pad. Model 2505 includes 10 ft. x 1 1/2" heavy-duty hose; 6" x 1 1/2" master head with brush and squeegee attachments; three wheel, industrial dolly; foam filter and full cloth bag filter.

Accessories

Accessories, Accessory Kit, and Replacement Parts

Part/Item	Description
Code No.	
72070	6' x 1 1/4" Hose
72071	20" Plastic Wands (2) 1 1/4"
72072	20" Metal Wands (2) 1 1/4"
72073	Curved Wand, Diffuser 1 1/4"
72074	6" Master Nozzle 1 1/4"
72075	6" Squeegee, Plastic 1 1/4"
72076	6" Brush, Plastic 1 1/4"
72077	14" Master Nozzle 1 1/4"
72078	14" Squeegee, Plastic 1 1/4"
72079	14" Brush, Plastic 1 1/4"
72080	14" Rug, Plastic 1 1/4"
72081	Round Brush 1 1/4"
72082	Crevice Tool 1 1/4"
72083	Deluxe 1 1/4" Kit includes: No. 72072 (2) 20" Metal Wands; No. 72073 Curved Wand, Diffuser; No. 72077 14" Master Nozzle; No. 72078 14" Squeegee; No. 72079 Brush, Plastic, and No. 72080 14" Rug, Plastic.
72084	10' x 1 1/2" Crushproof Hose
72085	20" Wands (2) 1 1/2"
72086	6" Master Nozzle, Plastic 1 1/2"
72087	14" Master Nozzle 1 1/2"
72088	14" Squeegee 1 1/2"
72089	14" Rug 1 1/2"
72090	14" Brush 1 1/2"
72091	15" Crevice 1 1/2"
72092	Metal Round Brush 1 1/2"
72093	Paper Filters, package of 5
72094	Foam Filter, 1
72095	Full Bag Filter, 1

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20" Wand, Plastic
20" Wand, Metal

Curved Wand
Diffuser

Round Brush

Paper Filters
Package of 5

20" Wand

Metal
Round Brush

Foam Filter

6" Master Nozzle

Crevice Tool

Full Bag
Filter

Squeegee, Plastic

15" Crevice Tool

6" Brush, Plastic

6' x 1 1/4" Hose

14" Master Nozzle

14" Squeegee, Plastic

14" Brush, Plastic

14" Rug, Plastic

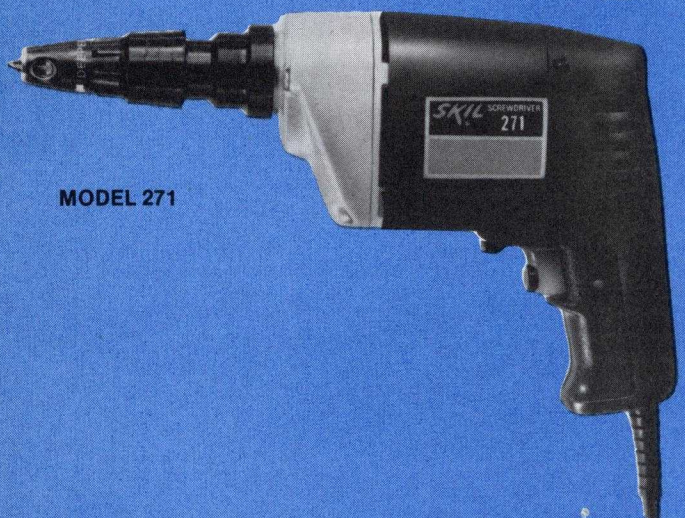
10' x 1 1/2"
Crushproof
Hose



MODEL 277
MODEL 289



MODEL 281
MODEL 301



MODEL 271

Features

MODEL 277—DRYWALL DRIVER
Super-Duty—5000 RPM—Reversing

MODEL 289—DRYWALL DRIVER
Super-Duty—2500 RPM—Reversing

MODEL 281—DRYWALL DRIVER Super-Duty—
Variable Speed—Reversing 0 to 5000 RPM

MODEL 301—DRYWALL DRIVER Super-Duty—
Variable Speed—Reversing 0 to 2500 RPM

- Positive clutch with simple stop sleeve adjustment for depth control. Automatically disengages at pre-set depth
- Hex ball-lock bit holder for easy bit changes
- Vented plastic nosepiece with stainless steel sleeve, is non-clogging, non-corrosive and improves magnetic grip on screws
- Double reduction spur gears of heat treated alloy steel for added strength and longer wear
- Less than 1" offset for closer wall and ceiling driving
- All ball and needle bearing construction
- Improved venting system allow tool to run cooler, for longer tool life
- New high strength polycarbonate handle designed for easier operation and better balance
- Burnout Protected motor helps withstand overloads without damage
- Reversing lever and recessed locking button are conveniently located and easy to use
- Improved cord and strain relief retainer helps prevent cord pullouts
- Recessed locking button for greater safety and convenience
- Reversing lever conveniently located and easy to use

MODEL 271—DRYWALL DRIVER—Heavy-Duty
Variable Speed—Reversing—0-2500 RPM

- Positive clutch with single stop sleeve adjustment for depth control. Automatically disengages at pre-set depth.
- Vented plastic nosepiece with stainless steel sleeve, is non-clogging, non-corrosive and improves magnetic grip on screws.
- Adjusting knob allows setting top speed at less than the maximum.
- All ball and needle bearings.
- Burnout Protected motor helps withstand overloads without damage.
- Polycarbonate motor housing and handle give added protection against electrical hazard and greater resistance to breakage.

Specifications

Switch: Models 277 and 289 have enclosed momentary contact, trigger switch with locking button and reversing lever in front of trigger. Model 271 has an adjustable, variable-speed, enclosed momentary contact trigger with locking button and reversing lever.

Models 281 and 301 have 50-60Hz., AC only, variable-speed, control switch with locking button and reversing lever in front of trigger.

Bearings: Models 277, 281, 289, and 301 have 4 ball; 2 needle. Model 271 has 3 ball; 1 needle.

Equipment: All models on this page include No. 69525 Magnetic Bit Holder and No. 26626 Bit.

Model / Item Code No.	Duty Rating	Clutch Type	Drive	Capacities			Spindle Offset, Inches	No-Load RPM	Amp Rating At 120V	Overall Length, Inches	Net Wt., Lbs.	Ship. Wt., Lbs.
				Thread Cutting Screws	Machine Screws And Nuts	Wood Screws And Self-Tapping Screws						
271	Heavy	positive	1/4" hex.	No. 6	1/4"	No. 12	13/16	0-2500	3.2	11	3 1/3	4
277	Super	positive	1/4" hex.	No. 6	1/4"	No. 12	27/32	5000	4	11	3 1/2	5
289	Super	positive	1/4" hex.	No. 6	1/4"	No. 12	27/32	2500	4	11	3 1/2	5
281	Super	positive	1/4" hex.	No. 6	1/4"	No. 12	27/32	0-5000	4	11	3 1/2	5
301	Super	positive	1/4" hex.	No. 6	1/4"	No. 12	27/32	0-2500	4	11	3 1/2	5

Features

SELF-DRILLING FASTENER UNITS

Specifically designed for driving self-drilling fasteners, for attaching metal to metal or metal to wood on "in plant" or job site projects. Spring loaded depth control is easy to adjust. Positive retention of setting.



MODEL 288



MODEL 292

MODEL 288—SELF-DRILLING FASTENER DRIVER Super-Duty 2500 RPM—Reversing

MODEL 292—SELF-DRILLING FASTENER DRIVER Super-Duty—Variable Speed—Reversing 0-2500 RPM

- Positive clutch disengages, when pre-set screw depth is reached
- Double reduction spur gears of heat treated alloy steel for added strength and longer wear
- Insert type bit retention helps prevent bit wobble, simple nosepiece adjustment
- Less than 1" offset for closer driving to walls and corners
- All ball and needle bearing construction for smooth running and longer tool life
- Improved venting system allows tool to run cooler, for longer tool life
- New high strength polycarbonate handle designed for easier operation and better balance
- Burnout Protected motor helps withstand overloads without damage
- Reversing lever and recessed locking button are conveniently located and easy to use
- Improved cord and strain relief retainer helps prevent cord pullouts

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Specifications

Switch:

Enclosed momentary contact trigger switch with locking button and reversing lever in front of trigger. Model 292 has 50-60 Hz., AC only Trigger Speed Control switch with locking button and reversing lever in front of trigger.

Bearings:

4 ball, 2 needle.

Equipment:

Models 288 and 292 include No. 67316 No. 2 Phillips bit and No. 300140 Finder.

Model /Item Code No.	Duty Rating	Clutch Type	Drive	Capacities			Spindle Offset, Inches	No Load RPM	Amp. Rating At 120V	Overall Length, Inches	Net Wt., Lbs.	Ship. Wt., Lbs.
				Thread Cutting Screws	Machine Screws And Nuts	Wood Screws And Self-Tapping Screws						
288	super	positive	1/4" hex.	1/4" dia. or No. 12 ⁷	1/4"	No. 12	27/32	2500	4.0	9 1/4	3 1/4	4 3/4
292	super	positive	1/4" hex.	1/4" hex. sheet metal screws	1/4"	No. 12	27/32	0-2500	4.0	9 1/4	3 1/4	4 3/4

For Accessories, See Pages 55-56

*T.M. ILLINOIS TOOL WORKS, INC.

All Tools on this Page Comply With OSHA Standards. 53

SKIL General Purpose Drivers

Features

MODEL 226 GENERAL PURPOSE DRIVER
Super-Duty—750 RPM—Reversing
Positive Clutch

MODEL 284 GENERAL PURPOSE DRIVER
Super-Duty—Variable Speed—Reversing
0-750 RPM—Positive Clutch

MODEL 285 GENERAL PURPOSE DRIVER
Super-Duty—Variable Speed—Reversing
0-750 RPM—Adjustable Clutch

- **The Positive Clutch** has two precision machined, angle ground clutch jaws, which engage when driver is applied to screw or nut and torque is maintained as long as pressure is applied by operator. The amount of tightening delivered is dependent on the operator. This type of clutch is excellent on jobs where torque requirements vary, such as when fastening wood or other materials with varying densities and when driving different size screws.
- **The Adjustable Clutch** consists of a manually engaged clutch which drives an easily adjusted slip-type clutch that automatically begins slipping (ratcheting) as soon as the pre-set torque is reached. Provides uniform fastening without guesswork for driving identical screws, nuts in materials of consistent density.
- Double reduction helical and spur gears of heat treated alloy steel for added strength and longer wear
- Less than 1" offset for closer driving to walls or corners
- All ball and needle bearing construction for smooth running and longer tool life
- Improved venting system allows tool to run cooler, for longer tool life
- New high strength polycarbonate handle designed for easier operation and better balance
- Burnout Protected motor helps withstand overloads without damage
- Improved cord and strain relief retainer helps prevent cord pullouts
- Recessed locking button for greater safety and convenience
- Reversing lever conveniently located and easy to use

Specifications

Switch:

Enclosed momentary contact trigger, reversing, with lock button, Models 284, and 285 have Trigger Speed Control for use on 50-60 Hz, AC only. Model 226 is AC-DC.

Bearings: 4 ball, 2 needle.

Equipment:

Models 226, 284, 285 include No. 6764 bit; No. 21277 quick change finder.

Part/Item Code No.	Duty Rating	Clutch Type	Drive	Capacities		Spindle Offset, Inches	No Load RPM	Amp Rating At 120V	Overall Length Inches	Net Wt., Lbs.	Ship. Wt., Lbs.
				Machine Screws & Nuts	Wood Screws And Self Tapping Screws						
226	super	positive	1/4" hex.	1/4"	No. 12	1 1/16	750	3.0	11 1/4	3 3/8	5 1/4
284*	super	positive	1/4" hex.	1/4"	No. 12	1 1/16	0-750	3.0	11 1/4	3 3/8	5 1/4
285	super	adjustable	1/4" hex.	1/4"	No. 12	1 1/16	0-750	4.0	11 1/4	3 3/8	5 1/4

54 *Alternate speed available. See your Skil Service Center for conversion.

For Accessories, See Page 55-56

All Tools on this Page Comply With OSHA Standards.

SKIL Driver Accessories

"DRYWALL" AND SELF-DRILLING FASTENER DRIVER ACCESSORIES. Can also be used with all variable speed drills.

1/4" HEX INSERT BITS

Use with Self-Drilling Models 288 and 292. "Drywall" Models 277, 281, 289 and 301 use with Bit Holders Nos. 69525, 26625, 67311. Can also be used in all variable speed drills.



FOR SLOTTED HEAD SCREWS

Part/Item Code No.	Description
73311	# 4 slotted
67301	# 6 slotted
67302	# 8 slotted
67303	#10 slotted
67304	#12 slotted
67305	1/4" slotted



FOR PHILLIPS HEAD SCREWS

Part/Item Code No.	Description
73312	#0 Phillips
67315	#1 Phillips
67316	#2 Phillips
67317	#3 Phillips
73313	#4 Phillips



FOR CLUTCH HEAD SCREWS

Part/Item Code No.	Description
73316	5/32" Clutch Head
73317	3/16" Clutch Head
73318	1/4" Clutch Head
73319	5/16" Clutch Head



MAGNETIC HEX NUTSETTERS

Use with all Ferrous Hex-Washer Head Self-Driving fasteners. Use with Self-Drilling Models 288 and 292. Can also be used in all variable speed drills.

Part/Item Code No.	Description
68807	3/16" Nutsetter
68808	1/4" Nutsetter
68809	5/16" Nutsetter
68810	3/8" Nutsetter



NON-MAGNETIC HEX NUTSETTERS

Use with all Non-Ferrous Hex-Washer Head Self-Driving fasteners. Use with Self-Drilling Models 288 and 292. Can also be used in all variable speed drills.

Part/Item Code No.	Description
67307	3/16" Nutsetter
67308	1/4" Nutsetter
67309	5/16" Nutsetter
67310	3/8" Nutsetter

DRYWALL NOSE ASSEMBLY

New anti-magnetic High Strength Nylon Nose Piece Assembly for use on all drywall drivers.

No. 72054 fits models 277, 281, 289 and 301 all types.



BIT HOLDERS FOR "DRYWALL" DRIVERS



FOR POZIDRIV HEAD SCREWS

Part/Item Code No.	Description
67312	#1 Pozidriv
67313	#2 Pozidriv
67314	#3 Pozidriv



FOR NO. 2 PHILLIPS HEAD SCREWS

Use with Holders, Nos. 69525, 26625, 67311. Cannot be used with Self-Drilling units.

Part/Item Code No.	Description
73335	Straight Neck ¹
73336	Back Taper ¹
26626	Back Taper ¹
26627	Back Taper ²

Notes: (1) For Skil Models 240, 289
(2) For Skil Models 273



EXTENSION

No. 67306—2 1/8" long, 1/4" Hex, non-magnetic. For 1/4" Hex insert bits. Can be used with Self-Drilling units 288 and 292.

No. 69525 — Magnetic for use with Models 277, 281, 289 and 301.

No. 26625 — Magnetic, for use with Models 240, 273.

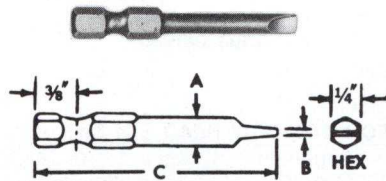
No. 67311 — Non-magnetic, for use with Models 277, 281, 289 and 301.

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SKIL Screwdriver Accessories

CAN BE USED WITH ALL VARIABLE SPEED DRILLS.

BITS—FOR SLOTTED HEAD SCREWS



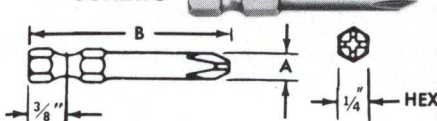
1/4" Hexagon Shank

Fits all 1/4" hex screwdrivers. Use on Models 132, 133, 139, 140, 172, 173, 194, 226, 235, 236, 239, 255, 258, 272, 284, 285, 316 and 346. Finder listed below.

Part/ Item Code No.	Bit Size	Wood Screws		Machine Screws		A Inches	B Inches	C Inches
		Flat	Round	Flat*	Round			
6761	4F- 5R	4	5	4	5	.187	.034	1 15/16
6762	5F- 6R	5	6	5	6	.250	.036	1 15/16
6763	6F- 8R	6	8	6	8	.250	.038	1 15/16
6764	8F-10R	8	10	8	10	.275	.042	1 15/16
6765	10F-12R	10	12	10	12	.312	.046	1 15/16
6766	12F-14R	12	14	12	1/4	.360	.050	1 15/16
6534	4F- 5R	4	5	4	5	.187	.034	3 1/2
6535	5F- 6R	5	6	5	6	.250	.036	3 1/2
6536	6F- 8R	6	8	6	8	.250	.038	3 1/2
6537	8F-10R	8	10	8	10	.275	.042	3 1/2
6538	10F-12R	10	12	10	12	.312	.046	3 1/2
6539	12F-14R	12	14	12	1/4	.360	.050	3 1/2

*Also for oval, fillister and binding head screws.

BITS—FOR PHILLIPS HEAD SCREWS

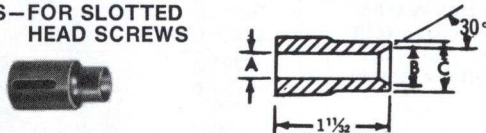


1/4" Hexagon Shank

For all screwdrivers with 1/4" hex drive. Use on electric Models 132, 133, 139, 140, 172, 173, 194, 226, 235, 236, 239, 255, 258, 272, 284, 285, 316 and 346. Finders are not required.

Part/ Item Code No.	Point Size	Wood Screws		Machine Screws		A Inches	B Inches
		Flat And Oval	Round	Flat, Oval And Binding	Round And Fillister		
6781	1	Nos. 4 and smaller	Nos. 4 and smaller	Nos. 4 and smaller	Nos. 4 and smaller	.187	1 15/16
6782	1					.187	3 1/2
6783	2	5 to 9	5 to 10	5 to 10	5 to 10	.248	1 15/16
6784	2	5 to 9	5 to 10	5 to 10	5 to 10	.248	3 1/2
6785	3	10 to 16	12 to 16	12 to 1/4	12 to 5/16	.312	1 15/16
6786	3	10 to 16	12 to 16	12 to 1/4	12 to 5/16	.312	3 1/2

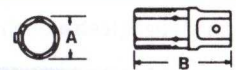
FINDERS—FOR SLOTTED HEAD SCREWS



Use on electric Models 139, 140, 194, 226, 235, 236, 239, 255, 258, 272, 284 and 285. Bits listed above.

**Part/ Item Code No.	Bit Size	A For Screwhead Dia. Inches		C Nose Dia. Inches
		Min.	Max.	
21274	4F- 5R	.196	.250	5/16
21275	5F- 6R	.260	.312	3/8
21276	6F- 8R	.260	.375	7/16
21277	8F-10R	.290	.437	1/2
21278	10F-12R	.323	.468	17/32
21279	12F-14R	.375	.515	7/16

1/4" Square Drive Socket Adapter



Part/Item Code No.	A Inches	B Inches
68288	1/4	3/4

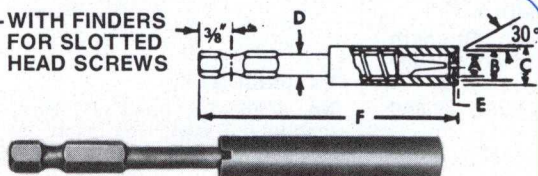
1/4" SQUARE DRIVE SOCKETS—Standard Length For 1/4" hex drive screwdrivers.

Use with Nos. 6791, 6792 Socket Wrench Shanks and No. 68288 Adapter.



Part/Item Code No.	Magnetic Sockets Part/Item Code No.	Size Across Flats, Inches
6681	68286	1/4
6682	—	7/32
6683	68285	5/16
6685	68284	3/8
6686	—	7/16

BITS—WITH FINDERS FOR SLOTTED HEAD SCREWS



1/4" Hexagon Shank

Fits all 1/4" hex drive screwdrivers. Use on electric Models 132, 133, 139, 140, 172, 173, 194, 226, 235, 236, 239, 255, 258, 272, 284, 285, 316 and 346.

**Part/ Item Code No. Bit & Finder	Bit Size	A For Screwhead Dia. Inches		C Nose Dia. Inches	D Bit Body Dia. Inches	E Blade Thick- ness Inches	F Over- all Lgth. Inches
		Min.	Max.				
6771	5F- 6R	.203	.296	3/8	.193	.032	3 3/4
6772	6F- 8R	.250	.390	7/16	.241	.036	3 3/4
6773	8F-10R	.297	.437	1/2	.290	.040	3 3/4
6774	10F-12R	.359	.500	5/8	.350	.046	3 3/4

**Note: To select proper part no. measure diameter of screwhead. This should be somewhere between minimum and maximum diameters ("A" and "B") of part no. selected.

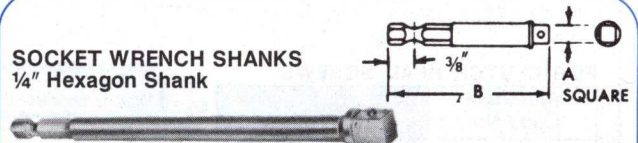
LUBRICANTS—For all Driver Models.

GEAR CASE: No. 252—5 3/8 oz. Tube.

No. 251—2 lb. can

CLUTCH ASSEMBLY: No. 73214—5 3/8 oz. Tube

SOCKET WRENCH SHANKS 1/4" Hexagon Shank



For all screwdrivers with 1/4" hex drive. Use on Electric Models 132, 133, 139, 140, 172, 173, 194, 226, 236, 239, 255, 258, 272, 284, 285, 316, 346.

Part/Item Code No.	A Inches	B Inches
6791	1/4	2
6792	1/4	6
6793	3/8	3

SKIL Impact Wrenches

Features

Designed for high torque applications with a minimum of torque reaction. Wherever electric power is available you'll find these impact wrenches especially useful for the following tasks:

- Set and remove bolts, nuts, lag screws, studs.
- Drill large holes in steel without torque reaction at break-through.
- Drill deep holes with wood auger bits in poles, construction timber. Reversible for easy removal of bits from hole, no torque reaction.
- Perform all fastening functions required in erection of metal buildings, grain storage bins, on construction sites.
- Drive taps for cutting threads in metal.
- Use with wire brushes to remove scale, rust, dirt.

MODEL 821

**TRADESMAN
TOOL ★★★★★**

MODEL 471

**TRADESMAN
TOOL ★★★★★**



No. 24090



**QUICK CHANGE
BIT ADAPTER
No. 24350**

MODEL 821 HEAVY-DUTY— $\frac{1}{2}$ " Square Drive $\frac{1}{2}$ " Bolt Capacity (Pin Detent)

- Delivers 2,000 blows per minute, forward or reverse.
- Precision cut planetary gears keep noise to minimum.
- Alloy steel impact mechanism for smooth operation and durability.
- 5.5 amp. Burnout Protected motor.
- Bearings: 4 ball; 2 needle; 1 oil impregnated.

MODEL 471 HEAVY-DUTY— $\frac{1}{2}$ " Square Drive $\frac{1}{2}$ " Bolt Capacity (Ring Detent)

- Most powerful electric impact wrench in its class—delivers 2000 blows per minute
- New industrial-duty switch designed for longer service
- Interlocking reversing switch with conveniently located lever cannot be actuated while tool is running—protects motor
- Bearings—4 ball, 2 needle, 1 precision oil impregnated

MODEL 471-2 KIT— $\frac{1}{2}$ " Square Drive, $\frac{1}{2}$ " Bolt Capacity

- Kit includes Model 471 Wrench, roomy metal carrying case.

IMPACT WRENCH ACCESSORIES

No. 24090 $\frac{1}{2}$ " KEYLESS CHUCK—For $\frac{1}{2}$ " Square Drive Impact Wrenches. Use with any $\frac{1}{8}$ " to $\frac{1}{2}$ " shank drill or driver accessories. See pages 49, 50, 55 & 56.

QUICK CHANGE BIT ADAPTERS—

Permits instant changing of hex shank screwdriver bits and socket shanks.

Part/Item Code No.	Impact Wrench Square Drive	For Screwdriver Bit Hex Size
24350	$\frac{1}{2}$ "	$\frac{7}{16}$ "

Specifications

Switch:

Momentary contact trigger type with interlocked reverse. AC-DC.

Socket Retention:

MODEL 821 has industrial type pin detent
MODEL 471 has ring detent

Bearings:

Both Models have 4 ball, 2 needle, 1 oil impregnated.

Model/Item Code No.	Drive Type	Blows Per Min.	No Load Speed	Torque, Ft. Lbs.	Amp Rating at 120V	Overall Length to Shoulder	Net Wt., Lbs.	Ship. Wt., Lbs.
821	$\frac{1}{2}$ " Square	2000	1600	280	5.5	10 $\frac{3}{8}$ "	7	8 $\frac{1}{2}$
471	$\frac{1}{2}$ " Square	2000	1600	280	5.5	10 $\frac{3}{8}$ "	7	8 $\frac{1}{2}$

Kit shipping wts.: Model 471-2, 16 lbs.

All Tools on this Page Comply With OSHA Standards.

9

SKIL® Disc Sanders and Grinders

Powerful super-duty and heavy-duty models for metal sanding or grinding applications. All ball and needle construction for smooth delivery of full power.

Compact, lightweight heavy-duty models are excellent for less demanding jobs, such as automotive refinishing.

A complete assortment of disc-sander and grinder accessories is available and shown in this section.



SKIL

SKIL Disc Sanders/Grinders



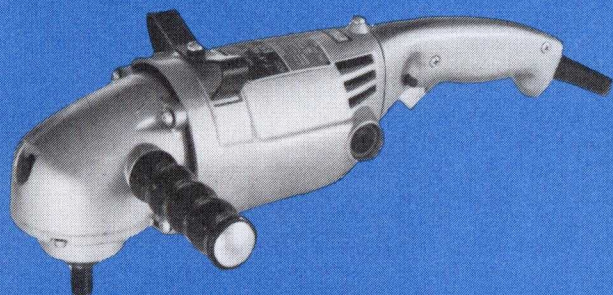
MODEL 970



MODEL 971



MODEL 972



MODEL 853-84

Features

MODEL 970 9" DISC SANDER/GRINDER
Super-Duty—5000 RPM Develops maximum of 3 H.P.

MODEL 971 9" DISC SANDER/GRINDER
Super-Duty—6000 RPM Develops maximum of 3 H.P.

MODEL 972 7" DISC SANDER/GRINDER
Super-Duty—8000 RPM Develops maximum of 3 H.P.

- The super duty armature bearings are mounted in steel inserts for long life and improved wear resistance.
- The contoured handle, made from impact resistant polycarbonate material.
- The dust resistant switch is a super duty trigger type, with a 20 Amp rating for longer tool life. It also has a guarded lock button to lock the switch in the "on" position.
- Brushes are equipped with clock type springs, which provide uniform brush pressure, resulting in improved commutation, cooler operation, and extended life of tool.
- Removable covers provide easy brush examination and replacement.
- The powerful, Burnout Protected motor maintains proper speeds required for sanding and grinding. It helps withstand overloads, without damage.
- A unique fan shroud improves cooling air flow efficiency and helps reduce operating noise levels.
- Armature and field windings are resistant to abrasion by the addition of a thick coat of special epoxy resin.
- Precision, computer designed, heat treated alloy steel formate bevel gears help to maximize life and lower operating noise.
- A spindle lock is provided for easy changing of accessories.
- Excellent balance for easy handling.
- The exterior aluminum die cast housing is provided for extra strength and increased impact resistance.

MODEL 853-84 7" DISC SANDER/GRINDER
Super-Duty—6000 RPM—220 Volts

- Forged alloy steel heat treated spiral bevel gearing.
- Ball bearings are Neoprene sealed to keep lubricant in and abrasive out.
- Armature bearings ride in special steel inserts which virtually eliminate housing wear.
- Powerful 13 amp Burnout Protected motor.
- Built-in Shock Absorbing Gear Mounting for longer life, quiet performance.
- Push Button Spindle Lock for fast, easy changing of sanding discs, grinding wheels and other accessories.
- High Velocity Air Flow. Tool operates at cool temperature. Keeps abrasive dust off internal parts.

Specifications

Switch:

All models on this page have D.C.—A.C. Enclosed, momentary contact trigger with locking button.

Bearings:

Models 970, 971, 972 have 3 ball, 1 needle
Model 853-84 has 4 ball.

Equipment:

Models 970, 971, 972 include tool rest, reversible side handle, balanced suspension bracket
Model 853-84 includes tool rest and side handle.

Spindle dia.:

All models on this page have $\frac{5}{8}$ " —11 thread.

Model/Item Code No.	Duty	Maximum Capacities, Inches				No-load Speed RPM	Amp Rating At 120V	Length Overall, Inches	Net Wt., Lbs.	Ship. Wt., Lbs.
		Sanding Disc, Dia.	Wire Cup Brush Dia.	Cup Grinding Wheel, Dia.*	Disc Wheel Dia.*					
970	super	9	6	6	9	5000	13	17 $\frac{7}{8}$	12 $\frac{1}{2}$	16
971	super	9	5	5	7	6000	13	17 $\frac{7}{8}$	12 $\frac{1}{2}$	16
972	super	7 **	—	4	7	8000	13	17 $\frac{7}{8}$	12 $\frac{1}{2}$	16
853-84	super	7	5	5	7	6000	6.5 at 220V	17	13	16

*Use only with proper safety guard, see page 63.

**Use with 72242 rubber backing pad and 72226 perforated pad.

For Accessories, See Pages 62-63

10

SKIL Disc Sanders/Grinders

Features

MODEL 850 7" DISC SANDER/GRINDER Heavy-Duty—4500 RPM Develops maximum of 2 H.P.

- Treaded rubber backing pad on Skil disc sanders assures positive, no-slip contact between pad and sanding disc.
- Light weight, only 8¼ pounds.
- Spiral bevel, right angle reduction gearing for quiet operation.
- Push button spindle lock located on top-front of housing.
- Efficiently designed air flow system helps keep motor and housing cool during operation.
- 10 amp Burnout Protected motor.

MODEL 846 7" DISC SANDER/GRINDER Heavy-Duty—4500 RPM Develops maximum of 1 H.P.

- Spiral bevel gearing provides high gear ratio for tremendous torque—with compact, low profile design
- All ball and needle bearing construction
- Burnout Protected Motor withstands periodic overloads, has power to spare
- Treaded backing pad with quick change lock nut
- Large non-marring tool rest on top
- Removable handle mounts on either side

MODEL 495 7" DISC SANDER Heavy-Duty—3600 RPM

- Lightest weight Skil sander, excellent balance
- 6 amp Burnout Protected Motor that helps withstand periodic overloading
- Industrial-duty switch for continuous use
- Treaded rubber backing pad with quick change lock nut
- Non-marring tool rest molded on housing
- All ball and needle bearing construction
- Removable 3-position handle for either side or top

**TRADESMAN
TOOL ★★★★★**

Specifications

Switch:

All models have AC-DC enclosed momentary contact trigger with locking button.

Bearings:

Models 850 & 1140: 3 ball, 1 needle;
Model 495: 3 ball, 3 needle.

Equipment:

All models include 7" treaded rubber backing pad, quick-change lock nut, side handle, wrench, tool rest (molded on 495).

Spindle Dia.:

5/8"—11 thread.

Model/Item Code No.	Duty	Maximum Capacities, Inches				No-Load Speed, RPM	Amp Rating At 120V	Length Overall, Inches**	Net Wt., Lbs.**	Ship. Wt., Lbs.
		Sanding Disc, Dia.	Wire Cup Brush Dia.	Cup Grinding Wheel, Dia.*	Disc Wheel, Dia.*					
850	heavy	7	4	—	7	4500	10	15	8¼	12
495	heavy	7	4	—	—	3600	6.0	9¼	5¼	8
846	heavy	7	4	—	—	4500	6.5	14½	7½	11

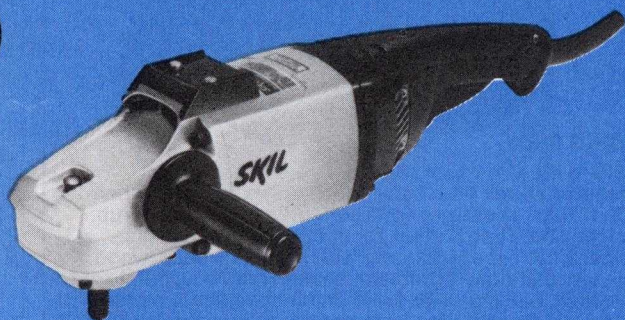
*Use only with proper safety guard.

**Not including pad

For Accessories, See Pages 62-63

All Tools on this Page Comply With OSHA Standards.

SKIL Grinders



MODEL 985



MODEL 987



MODEL 914

**TRADESMAN
TOOL ★★★★★**

Features

MODEL 985 9" DISC SANDER/GRINDER

Super Duty—6000 RPM Develops maximum of 4 H.P.

- Armature bearing bores in steel inserts for extra long life.
- Contoured handle with easy-to-grip paddle lever and lock-on lever. Glass reinforced polycarbonate handles for maximum impact strength.
- Easy access filtering system effectively "strains" harmful grit and allows clean cooling air to flow over brushes and commutators. Filters can be cleaned for reuse.
- Secondary bypass design allows required air flow if primary filtering system is clogged.
- Super-duty dust resistant 20 Amp. switch for long life.
- Safety brush lifts at critical length. Tool stops; warns operator to change brushes.
- Clock type brush springs help insure uniform pressure for extended life.
- Removable cover for quick, easy brush inspection.
- Special fan shroud increases air flow and reduces noise.
- Powerful Burnout Protected motor.
- Special epoxy resin on armature and field windings resists abrasion.
- Heat treated alloy steel bevel gears boost tool-life and cut noise.
- Spindle lock for easy changing of accessories.
- Comfort grip side handle mounts on either side of tool.
- Wear resistant plastic tool rest.

MODEL 987 7" DISC GRINDER

Super-Duty—8000 RPM Develops maximum of 4 H.P.

- Armature bearing bores in steel inserts for extra long life
- Contoured handle with easy-to-grip paddle lever and lock-on lever. Glass reinforced polycarbonate handles for maximum impact strength
- Easy access filtering system effectively "strains" harmful grit and allows clean cooling air to flow over brushes and commutators. Filters can be cleaned for reuse
- Secondary bypass design allows required air flow if primary filtering system is clogged
- Super-duty dust resistant 20 Amp. switch for long life
- Safety brush lifts at critical length. Tool stops; warns operator to change brushes
- Clock type brush springs help insure uniform pressure for extended life
- Removable cover for quick, easy brush inspection
- Special fan shroud increases air flow and reduces noise
- Powerful Burnout Protected motor
- Special epoxy resin on armature and field windings resists abrasion
- Heat treated alloy steel bevel gears boost tool-life and cut noise
- A spindle lock for easy changing of accessories
- Comfort grip side handle mounts on either side of tool
- Wear resistant plastic tool rest

MODEL 914 4 1/2" DISC GRINDER Heavy-Duty—12,500 RPM

- Lightweight and compact for easy maneuverability
- Spiral bevel gearing for added strength and lower noise level
- All ball bearings sealed to keep lubricant in and abrasive dust out
- Insulated gripping surfaces for added safety
- Convenient, thumb controlled switch with lock-on feature
- Removable rear housing for fast, easy motor inspection
- Removable side handle fits either side of tool

Specifications

Model 985 and 987 have AC-DC Enclosed, momentary contact trigger with locking button. Model 914 has AC momentary contact slide type with locking button.

Bearings: Models 985 and 987 have 3 ball; 1 needle.

Model 914 has 4 ball.

Equipment: Model 987 includes safety wheel guard, disc grinding wheel, side handle, tool rest. Model 914 includes wheel guard, flange kit, spanner wrench, spindle wrench, side handle, tool rest.

Model 985 includes tool rest and side handle.

Spindle Dia.: 5/8"-11 thread—985 and 987; 3/8"-11 thread—914.

Model/Item Code No.	Duty	Maximum Capacities, Inches				No-load Speed, RPM	Amp Rating At 120V	Length Overall, Inches*	Net Wt., Lbs.*	Ship. Wt., Lbs.
		Sanding Disc, Dia.	Wire Cup Brush Dia.	Cup Grinding Wheel, Dia.*	Disc Wheel Dia.*					
985	Super	9	5	5	7	6000	15	19 1/8	16 1/3	19 1/2
987	Super	7	—	—	7	8000	15	19 5/8	16 1/3	19 1/2
914	Heavy	4 1/2	—	—	4 1/2	12,500	4.5	10 1/4	4 2/5	5 3/4

*Use only with proper safety guard, see page 63.

For Accessories, See Pages 62-63

All Tools on This Page Comply With OSHA Standards.

10

SKIL Disc Sander-Grinder Accessories

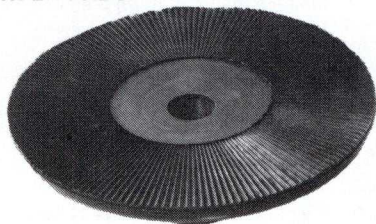
SANDING KITS

NO. 72245—7" SANDING KIT—includes No. 72243 7" Rubber Pad (6,600 RPM maximum safe speed), No. 72244 Quick-Change Lock Nut, No. 2445 Lock-Nut Wrench.

NO. 72246—9" SANDING KIT—includes No. 72243 Rubber Pad (6,600 RPM maximum safe speed), No. 72227 Perforated Fiber Pad, No. 72244 Quick-Change Lock Nut, No. 2445 Lock Nut Wrench.

NO. 72035—4½" SANDING KIT—Includes No. 72031 Backing Pad (12,500 RPM maximum safe speed), No. 72032 Lock Nut, No. 72033 Spindle Lock Wrench, and No. 72034 Lock Nut Wrench.

DISC SANDER PADS



TREADED RUBBER BACKING PADS

Skil exclusive! These remarkable backing pads are treaded to hold sanding discs in place, and to help prevent slipping, buckling, spoilage of discs. Discs stay cooler, won't gouge work, last far longer. Can be used on all Skil Disc Sanders and most other makes. Use also to convert Skil Disc Grinders for disc sanding. Quick-Change Lock Nut included with each pad.

NO. 72242—5" dia. Can be used with all Skil Disc Sanders and Disc Grinders (8,800 RPM maximum safe speed).

NO. 72243—7" dia. Can be used with all Skil Disc Sanders and Disc Grinders except Models 854 and 954 (6,600 RPM maximum safe speed).

NO. 72030—4½" dia. For use on Model 914 grinder (12,500 RPM maximum safe speed).



NO. 72244 QUICK-CHANGE LOCK NUT

Same as furnished with treaded rubber backing pads. Locks securely on two steel pins in treaded rubber backing pad eliminating stripped, clogged threads. Uses No. 2445 Wrench. No. 72032 — for 914



NO. 2445 LOCK NUT WRENCH

For use with No. 23614 lock nut. Improved design gives better leverage.

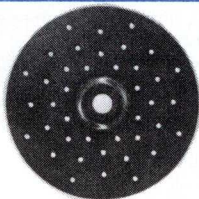
NO. 72033 SPINDLE LOCK WRENCH

For Model 914 grinder.

NO. 72034 LOCK NUT WRENCH For Model 914 grinder.

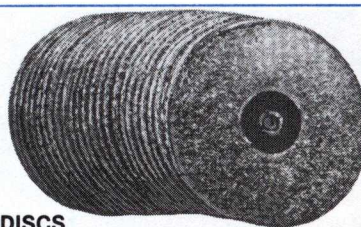
PERFORATED FIBER PADS

Strong, resilient. Give proper flexibility when feather edging. Always use a fiber pad (or pads) larger than backing pad.



NO. 72226—7" dia. Use with 5" backing pad No. 72242 (8,800 RPM maximum safe speed) and nut No. 72244.

NO. 72227—9" dia. For extra flexibility when feather edging. Use with 7" backing pad and nut No. 72243. For extra stiffness use with Fiber Pad No. 21220 and Backing Pad No. 72242 on all models with 5000 RPM or less.



SANDING DISCS

Extra long life aluminum oxide grits are phenol-resin bonded to a sturdy fiber back. Discs are reusable — when "loaded," dip in detergent or a suitable solvent and scrub. Use close coat Type K discs for metal, stone or marble. Use open coat Type H discs for soft materials (lead, wood, etc.) when loading is a problem or when removing paint and varnish. See pages 59, 60, 61 under specifications for Sanders and Grinders for recommended diameters and safe operating speeds.

Grit	Type	4½" Diameter		7" Diameter		9" Diameter	
		Part/Item Code No.	Discs Per Pkg.	Part/Item Code No.	Discs Per Pkg.	Part/Item Code No.	Discs Per Pkg.
				Old New		Old New	
16	K	72026	5	7911 72228	10		5
24	K			7912 72229	10		5
36	K			7914 72230	10	7923 72237	5
50	K	72027	5	7915 72231	10	7925 72238	10
80	K	72028	5	7917 72232	10	7926 72239	25
100	K			7918 72233	25	7928 72240	
120	K	72029	5	7919 72234	25	7930 72241	
16	H			7933 72235	10		
24	H			7934 72236	10		



WIRE CUP BRUSHES

For cleaning castings, structural steel, tank vats, sheet metal, stone, concrete, etc. Also used for removal of heavy rust, scale and paint. Use with 5/8"-11 thread spindle. See pages 59, 60 and 61 under specifications of Grinders and Sanders for recommended diameters and safe operating speeds.

Part /Item Code No.	Dia. of Brush	Type Brush	Dia. of Brush Wire	Part /Item Code No.	Dia. of Brush	Type Brush	Dia. of Brush Wire
21025	6"	Crimp	.020	21029	5"	Crimp	.020
21026	6"	Spiral Twist Single Row	.020	21030	5"	Spiral Twist Single Row	.020
21027	6"	Spiral Twist Double Row	.020	21031	4"	Crimp	.014
21028	6"	Spiral Twist Double Row	.035	21032	4"	Spiral Twist Single Row	.020

SKIL LUBRICANTS

GRINDERS, Disc—Models 914, 952, 953, 954, 975, 976, 985.

SANDERS, Disc—Models 495, 970, 971, 972, 846, 852, 853, 854, 1140, 1142.

252 5½ oz. tube
251 2 lb. can



SAFETY DISC GRINDING WHEELS*

Fast-cutting, reinforced grinding wheels available in Aluminum Oxide for grinding heavy weld beads, structural steel, steel castings, stainless steel and other ferrous metals. Silicon carbide wheels provide same superior performance on masonry, stone, concrete, cast iron, bronze, aluminum and copper.

9" wheels useable on 852, 952, 970, and 975 tools only.

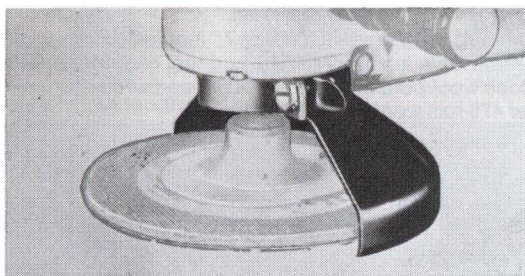
7" wheels may be used on all Skil Disc Grinders and Sanders, except Model 495.

Always use with special safety guards shown below. These are standard equipment with Skil Disc Grinders. Must be ordered extra for Skil Disc Sanders.

Part/Item Code No.	Diameter & Width	Abrasive & Grit	Arbor Type	Max. Safe RPM
19682	7"x1/8"	Aluminum Oxide	7/8" rd Hole†	8500
19683	7"x1/4"	Oxide		8500
19684	9"x1/8"	24 Grit		6000
19685	9"x1/4"			6000
72022	4 1/2"x3 1/16"	Carbide 30 Grit		12500
21021	7"x1/4"	Silicon Carbide	5/8"—11 Threaded Spin-On Type	8500
21022	9"x1/4"	16 Grit		6000
43689	7"x1/8"	Aluminum Oxide		8500
43690	7"x1/4"	24 Grit		8500
43691	9"x1/8"			6000
43692	9"x1/4"			6000
72020	4 1/2"x3 1/16"	Silicon Carbide 24 Grit	7/8" rd††	12500
72021	4 1/2"x1/8"	Silicon	7/8" rd††	12500
72023	4 1/2"x1/8"	Aluminum Oxide 30 Grit	7/8" rd††	12500

†Require Adapter Flange No. 19274.

††Require Adapter Flange No. 72025.



SAFETY GUARDS

Same as furnished with all Skil Disc Grinders. Add when converting from a Sander to a Grinder.

No. 72658 — For 7" disc wheels

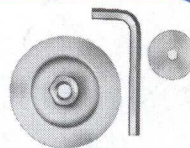
No. 72659 — For 9" disc wheels

No. 72024 — For 4 1/2" disc wheels

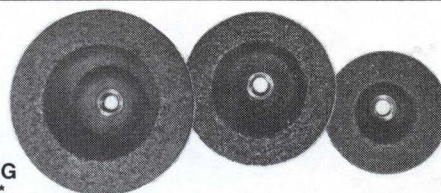
NO. 19274 ADAPTER FLANGE

Includes flange, lock nut and wrench. Must be used with disc grinding wheels without spin-on adapter.

NO. 72025 for model 914.



CUP GRINDING WHEELS*



Made of securely bonded, highest grade abrasives. Each wheel has a 5/8"-11 thread bushing molded integrally for mounting wheel direct to spindle. See pages 59, 60 and 61 under specifications of Grinders and Sanders for recommended usage of cup grinding wheels with proper revolving cup wheel guard shown below. Do not use on Model 854.

SILICON CARBIDE—FOR HARD MASONRY

Use for marble, granite, terrazzo, onyx, hard aggregate concrete, porcelain, vitreous ware, glazed and ceramic tile, slate, acid-proof brick, silica, hard-chrome brick, magnesite, etc.

	Part/Item Code No.		
	4" Dia.	5" Dia.	6" Dia.
*Maximum Safe Speed	7635 R.P.M.	6600 R.P.M.	5500 R.P.M.
coarse	5421	—	—
medium	5422	5405	5408
fine	—	5406	5409

SILICON CARBIDE—FOR SOFT, MEDIUM MASONRY

Use for concrete brick, common brick, cinder block, fire clay, refractory brick, limestone, Arizona flagstone, land-stone, crab orchard stone, roofing, sewer and structural tile, terracotta, asbestos, insulating brick, sandstone, austin stone, gypsum, fiber glass, etc.

	Part/Item Code No.		
	4" Dia.	5" Dia.	6" Dia.
*Maximum Safe Speed	7635 R.P.M.	6600 R.P.M.	5500 R.P.M.
coarse	5421	5427	5428
medium	5422	5405	5408
fine	—	5406	5409

ALUMINUM OXIDE—FOR METAL

For cast iron, bronze, unannealed malleable iron, white iron, aluminum, brass, steel casting, stainless steel, steel weld, structural members, annealed malleable iron, hard brass, hard aluminum, hard bronze, etc.

	Part/Item Code No.		
	4" Dia.	5" Dia.	6" Dia.
*Maximum Safe Speed	9070 R.P.M.	7255 R.P.M.	6050 R.P.M.
coarse	5459	5463	5465
medium	5460	5464	5466

CUP WHEEL GUARDS

Attach directly to spindle. For use with Models 975, 976 Disc Grinders; Model 852 (Serial No. B385353 and up) and Models 853, 970 and 971 Disc Sanders. Includes guard.

No. 72247—For 4" cup wheel.

No. 72248—For 5" cup wheel.

No. 72249—For 6" cup wheel.

*NOTE—Before using disc wheels and cup grinding wheels, always be sure their maximum safe operating speed (shown on wheel blotter) is not exceeded by the free speed of the tool (shown on nameplate). Use only on tools with proper safety guards.

Features

TWO POWERFUL, COMPACT MODELS

Polishing speeds are suited for dependable, super-fast performance. Can be used for production line polishing, furniture maintenance, metal buffing and polishing, and in service stations, dealer service departments, car washes. Compact design, lightweight and superb balance makes fast polishing or buffing easy.

MODEL 845 7" Heavy-Duty Develops maximum of 1 H.P.

- All ball and needle bearing construction.
- Burnout Protected Motor withstands periodic overloads, has power to spare.
- Spiral bevel right angle reduction gearing for quiet operation.
- Efficiently designed air-flow system helps keep motor and housing cool during operation.
- Large non-marring tool rest on top.
- Removable handle mounts on either side.

MODEL 470 7" Heavy-Duty

- Operates at 1200 RPM.
- Extremely lightweight, only 5¼ pounds.
- Center handle and three-position top handle for handling ease.
- 6 amp Burnout Protected Motor that helps withstand periodic overloading.
- Industrial-duty switch for continuous use.
- Non-marring tool rest molded on housing.

Specifications

Switch: Models 845, and 470 have enclosed momentary contact AC-DC trigger with lock button.

Bearings: Model 845 has 3 ball; 1 needle. Model 470 has 2 ball; 4 oil impregnated.

Equipment: Both models include 7" molded rubber backing pad, removable auxiliary handle and tool rest. Model 845 also includes wool polishing pad, lock nut and wrench. Model 470 has wool polishing bonnet.

Spindle Dia.: 5/8" — 11 thread.



MODEL 845



MODEL 470

Model/Item Code No.	Duty	Pad	No Load Speed, RPM	Amp Rating At 120 V	Overall Length Inches**	Net Wt., Lbs.**	Ship. Wt., Lbs.
470	heavy	7"	1200	6.0	9¼	5¼	7¼
845	heavy	7"	2500	6.5	14½	7½	11

**Not including pad

SKIL Bench and Die Grinders

Features

MODEL 287 6" 1/3 HP

- Dynamically-balanced, split phase design motor starts fast, maintains speed
- Lubricated-for-life ball bearings give dependable, vibration-free performance
- Removable end bell covers, adjustable spark arrestors, eye shields, and tool rests for added safety and convenience.
- Rugged cast construction for stability

MODEL 617 10" 1 HP

- For continuous heavy-duty use in factories, foundries, garages and maintenance shops
- Has lubricated-for-life, double shield ball bearings for smooth maintenance-free performance
- Capacitor start, induction run motor
- Adjustable, machined, U-shaped tool rests permit grinding on both sides and face of wheel; adjustable eye shields.
- Equipped with adjustable spark arrestors, removable end bell cover, integral dust chutes for attachment to dust pick-up equipment

MODEL 614 8" 3/4 HP

(Not shown)

- Includes same features as Model 617 but with smaller operating capacity
- Now with more powerful 3/4 HP motor

MODEL 607 7" 1/2 HP

(Not shown)

- Similar to and has all the features of Model 617 except limited to 7" wheels for smaller jobs

MODEL 146 HIGH SPEED DIE GRINDER 1/4" collet chuck—20,000 RPM

- Removable plate for easy internal inspection
- Specially designed motor for continuous high speed use
- Built-in spindle lock provision for quick change of collets and accessories
- Use with mounted wheels and points, carbide cutters, burrs, expanding abrasive drums
- May also be used with 1/8" collet chuck

Specifications

Switch: Enclosed toggle-type. **Bearings:** All ball bearing.

Equipment, all models:

One fine and one medium grit wheel; tool rests. End bell covers, adjustable spark arrestors and a pair of eyeshields.

Motors:

All Models AC only 60 Hz. Model 287 split phase. Models 607, 614, 617 capacitor start, induction run.

Model /Item Code No.	HP	Wheel Size Inches	No-Load Speed RPM	Arbor Size, Inches	Distance Between Wheels	Clearance To Motor Housing	Base Dimensions, Inches	Amp. Rating	AC Voltages, 1-Phase	Net Wt., Lbs.	Ship. Wt., Lbs.
287	1/3	6 x 3/4	3450	1/2	14 5/16"	5/8"	7 x 8	4.3	115	27	29
607	1/2	7 x 1	3450	5/8	15 3/16"	1 1/8"	7 x 8	6.8	115	38	40
614	3/4	8 x 1	3450	5/8	17 3/8"	1 3/16"	8 1/2 x 8 1/2	8.2/4.1	115/230†	56	60
617	1	10 x 1	1725	3/4	18 1/8"	1 13/16"	8 1/2 x 8 1/2	12/6	115/230†	81	85

†Reconnectable for any voltage listed.

Specifications

Switch:

Model 146 toggle type.

Bearings:

Model 146 3 ball.

Equipment: Model 146 1/4" collet chuck, two wrenches, spindle locking pin.



Model/Item Code No.	Maximum Wheel Capacity, Inches	No-Load RPM	Amp. Rating At 120V	Overall Length, Inches	Net, Wt. Lbs.	Ship. Wt., Lbs.
146	1 1/4 mounted	20,000	1.3	9 3/4	2 1/2	4 1/4


For Accessories, See Page 66

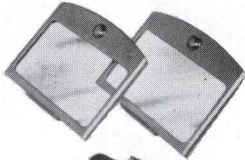


All Tools on this Page Comply With OSHA Standards.

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SKIL Polisher and Bench Grinder Accessories

For any Skil and most other make polishers		Backing Pad	Pad Nut
	No. 22691 WOOL POLISHING PAD 7/8" Hole; 7 1/2" diameter. Has deep tufted, lambswool nap firmly attached to strong canvas back. Far outlasts ordinary pads or bonnets.	Use with No. 4679	No. 2427
		or with No. 4679 and No. 6496	No. 4699
	No. 4711 WOOL BONNET Genuine lambswool, deep pile bonnet with hood and draw string.	Use with No. 4679	—

	No. 4679—7" MOLDED RUBBER BACKING PAD. Same as furnished with all Skil polishers. Has highest quality rubber with a molded in threaded steel insert for mounting to a 5/8"—11 spindle.		No. 4699—LONG PAD NUT. For clamping sponge rubber pad and polishing pad to backing pad.
			No. 2445—PAD NUT WRENCH. Required for tightening either pad nut.
		LUBRICANTS For Models 1145 For Model 470 No. 252—5 3/8 oz. tube No. 251—2 lb. can	

GRINDER PEDESTAL Heavy duty three-leg base provides firm support on level or uneven floors; pre-drilled holes in base make permanent installations easy. If desired, column may be cut to reduce overall height. Openings in top for fast installation of Skil Grinders or most other makes. Top may also be drilled to accommodate other light machinery. Includes water pot.						EYESHIELDS Give eye protection and work visibility. Easily adjustable, metal framed shatterproof glass.		
Part/Item Code No.	Height, Inches	Top, Inches	Net Wgt. Lbs.	Ship. Wgt. Lbs.	For Skil Models	 No. 25278—Set of two Eyeshields For Models 287 type 4; 291, 607, 614 & 617 type 2.  No. 11599—Eyeshield for Models 287 type 1 & 2; 607, 614 and 617 types 1. Order two for each grinder. No. 11597—Replacement safety glass for 11599.		
25280	33	9 x 11	46	54	287 types 1-4; 291, 607, 614, 617 types 1-2			
ACCESSORIES  *GRINDING WHEELS						ELECTRIC DIE GRINDER ACCESSORIES		
Part/Item Code No.	Type	Size	Arbor Hole	Grit	For Model	Part/Item Code No.	Description	For Model
4498	High Strength, Reinforced Aluminum Oxide	2 1/2" x 3/8"	3/8"	36	171	3779* 9397*	1/8" collet 1/4" collet	146, 148 146
19581	Aluminum Oxide	5" x 3/4"	1/2"	30	959	3780* 9398*	1/8" collet cap 1/4" collet cap	146, 148 146
19582	Aluminum Oxide	6" x 1"	5/8"	24	960	*Order cap and collet for complete chuck.		

***NOTE:** Before using any pointing or grinding wheel, be sure safe operating speed (shown on wheel blotter) is not exceeded by the free speed of the tool (shown on nameplate). Use only on tools with proper safety guards.

LUBRICANTS—for all Portable Grinders.

No. 252—5 3/8 oz. tube.

No. 251—2 lb. can.

SKIL Lubricants and Extension Cords

LUBRICANT SELECTION CHART For Electric and Gasoline Powered Tools

Always use genuine SKIL Lubricants to insure long tool life. Refer to the Instruction Manual packed with each tool for complete lubricating information.

Category	Models	Part/Item Code No.	Category	Models	Part/Item Code No.
DRILLS	All	252 5 $\frac{3}{8}$ oz. tube 251 2 lb. can	SANDERS, Belt	323, 324, 448, 449, 505, 595 —gear case only	249 5 $\frac{3}{8}$ oz. tube 264 pint 267 $\frac{1}{2}$ gal.
CAULKING GUN	705	252 5 $\frac{3}{8}$ oz. tube 251 2 lb. can		—chain case only	252 5 $\frac{3}{8}$ oz. tube 251 2 lb. can
DRIVERS	All—gear case only	252 5 $\frac{3}{8}$ oz. tube 251 2 lb. can		805, 455, 400, 405	252 5 $\frac{3}{8}$ oz. tube 251 2 lb. can
	All—clutch mechanism only	73214 5 $\frac{3}{8}$ oz. tube	SANDERS, Disc	551, 495 852, 853, 854, 970, 971, 972, 1140, 1142	252 5 $\frac{3}{8}$ oz. tube 251 2 lb. can
GRINDERS, Disc	952, 953, 954 975, 976		SAWS, Chain—Electric	—gear case only	252 5 $\frac{3}{8}$ oz. tube 251 2 lb. can
GRINDERS, Portable	959, 960	252 5 $\frac{3}{8}$ oz. tube 251 2 lb. can		—chain oiler	71908 four pack 8 oz. cans 72782 $\frac{1}{2}$ gal. 72781 pt. 71917 four pack 5 oz. cans
HAMMER-DRILLS	219, 212, 222—gear only and hammering mechanism	252 5 $\frac{3}{8}$ oz. tube 251 2 lb. can	SAWS, Chain—Gasoline	—engine and chain oiler	71909 four pack 8 oz. cans 72782 $\frac{1}{2}$ gal. 72781 pt.
	446—gear case and hammering mechanism	71895 2 lb. can	SAWS, Circular	856, 857, 858, 860, 866, 867, 868, 552, 553, 554, 559, 574	252 5 $\frac{3}{8}$ oz. tube 251 2 lb. can
	446—oil impregnated bearing	20525 pint 23144 $\frac{1}{2}$ gal.		77 Type 3 up and 107, 117, 127, 367, 825	249 5 $\frac{3}{8}$ oz. tube 264 pint 267 $\frac{1}{2}$ gal.
HAMMERS—ROTO & DEMO	726, 728, 729, 731, 736, 737—gear case only	71895 2 lb. can	SAWS, Jig SAWS, Recipro	All	252 5 $\frac{3}{8}$ oz. tube 251 2 lb. can
	706, 707, 708, 728-T5, 731, 732, 1706—hammering mechanism	71895 2 lb. can	WRENCHES	471, 823, 821	252 5 $\frac{3}{8}$ oz. tube 251 2 lb. can
	726, 728 thru T4 729, 736, 737, 2220—cylinder & piston 717	20525 pint 23144 half gal. 71992 pint			
POLISHERS	570, 470 1145, 1146	252 5 $\frac{3}{8}$ oz. tube 251 2 lb. can			

Weights indicated above are net content

EXTENSION CORDS

In selecting an extension cord for your electric tool, be sure to use one of sufficient size to carry current drawn. An undersized extension cord will cause a drop in line voltage, resulting in power loss and overheating. Following table shows correct size cord, depending upon its length and tool nameplate ampere rating. This table is based on limiting line voltage drop to 5 volts (10 volts for 220 volts) at 150% of rated amperes.

SKIL EXTENSION CORDS WITH CONNECTORS

These are 3 conductor flexible stranded copper, rubber covered with approved 3 prong grounding connectors, built for long life even under severe outdoor service.

Part/Item Code No.	Length, Ft.	Gauge
16216	50	16
22401	100	16

TWO WIRE EXTENSION CORD

73375	100	14
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Nameplate Ampere Rating	Length of Cord in Feet									
	115 V	25 Ft.	50 Ft.	100 Ft.	150 Ft.	200 Ft.	250 Ft.	300 Ft.	400 Ft.	500 Ft.
	230 V	50 Ft.	100 Ft.	200 Ft.	300 Ft.	400 Ft.	500 Ft.	600 Ft.	800 Ft.	1000 Ft.
0-2	18	18	18	16	16	14	14	12	12	
2-3	18	18	16	14	14	12	12	10	10	
3-4	18	18	16	14	12	12	10	10	8	
4-5	18	18	14	12	12	10	10	8	8	
5-6	18	16	14	12	10	10	8	8	6	
6-8	18	16	12	10	10	8	6	6	4	
8-10	18	14	12	10	8	8	6	6	4	
10-12	16	14	10	8	8	6	6	4	4	
12-14	16	12	10	8	6	6	6	4	2	
14-16	16	12	10	8	6	6	4	4	2	
16-18	14	12	8	8	6	4	4	2	2	
18-20	14	12	8	6	6	4	4	2	2	

CONNECTORS ONLY

Part/Item Code No.	Description	For Cord Size Up To
16153	Male, heavy duty with cord clamp	12 gauge
13722	Adaptor with pigtail for grounding. Adapts 3-prong grounding plug for insertion into 2 cavity receptacle	

Factory Service Centers Located for Your Convenience

FACTORY SERVICE CENTERS

ALABAMA	Birmingham, 806 N. Fifth Ave. 35203	(205) 322-2474	NEBRASKA	Omaha, 2110 S. 37th St. 68105	(402) 341-2733
	Mobile, 3319 Demetropolis Rd. 36609	(205) 666-3623	NEW JERSEY	Edison, 6 Kilmer Court 08817	(201) 572-0875
ARIZONA	Phoenix, 1710 E. McDowell Rd. 85006	(602) 254-1165		Newark (Hillside), 611 U.S. Highway No. 22 07205	(201) 686-6350
ARKANSAS	Little Rock, 1303 W. Markham 72201	(501) 374-1911	NEW MEXICO	Albuquerque, 3320 Candelaria N.E. 87107	(505) 344-9036
CALIFORNIA	Anaheim, 1290 N. Grove 92806	(714) 630-3244	NEW YORK	Buffalo, 88 Benbro Dr. 14225	(716) 681-2500
	Brisbane, 3868 Bayshore Blvd. 94005	(415) 467-5250		Huntington Sta., L.I., 673 E. Jericho Turnpike 11746	(516) 423-2100
	Fresno, 1419 N. Maple 93703	(209) 252-2879		Jamaica, 153-25 Hillside Ave. 11432	(212) 297-1919
	Los Angeles, 5455 E. Washington Blvd. 90040	(213) 685-6760		New York (Manhattan), 75 Varick St. 10013	(212) 226-7630
	Oakland, 425 Jackson St. 94607	(415) 444-1559		East Syracuse, 601 Manlius St. 13057	(315) 437-3435
	Sacramento, 3000 Q Street 95816	(916) 451-8473	NORTH CAROLINA	Charlotte, 4800 N. Tryon 28203	(704) 597-1957
	San Diego, 7330 Opportunity Rd., Suite E 92111	(714) 268-8335		Raleigh, 5306 Hillsborough 27606	(919) 851-1418
	Santa Clara, 2130 DeLaCruz Blvd. 95050	(408) 243-9444	OHIO	Akron, 2169 E. Market St. 44313	(216) 794-9440
	Van Nuys, 16201 Victory Blvd. 91406	(213) 994-8896		Cincinnati, 1245 Tennessee Ave. 45229	(513) 242-0244
COLORADO	Denver, 678 Bryant St. 80204	(303) 893-5123		Cleveland, 9000 Bank St. 44125	(216) 447-0250
CONNECTICUT	Rocky Hill, 2122 Silas Deane Hwy. 06067	(203) 527-4153		Columbus, 5562 N. High St. 43214	(614) 885-8670
FLORIDA	Jacksonville, 1628 Hendricks Ave. 32207	(904) 398-0728		Dayton, 5671 Webster St. 45415	(513) 890-0760
	North Miami, 12041 N.W. 7th Ave. 33161	(305) 685-6201	OKLAHOMA	Oklahoma City, 606 N. Pennsylvania Ave. 73107	(405) 236-0170
	Orlando, 2603-5 South Orange Ave. 32805	(305) 843-5642	OREGON	Eugene, 1457 W. 6th Ave. 97402	(503) 484-1311
	Tampa, 5135 W. Cypress St. 33607	(813) 872-0271		Portland, 2933 E. Burnside 97214	(503) 234-7418
GEORGIA	Atlanta, 170 - 14th Street N.W. 30318	(404) 873-2908	PENNSYLVANIA	Philadelphia, 4210 Macalester Ave. 19124	(215) 455-2506
HAWAII	Honolulu, 3069 Ualena St. 96819	(808) 847-4407		Pittsburgh, 3221 Liberty Ave. 15201	(412) 261-6457
ILLINOIS	Addison, 608 W. Lake St. 60101	(312) 543-8660		Harrisburg, 5630 Allentown Blvd. 17112	(717) 657-2090
	Chicago (North), 5001 N. Elston Ave. 60630	(312) 286-6760	SOUTH CAROLINA	Greenville, 1013 N. Pleasantberg Dr. 29607	(803) 271-8161
	Chicago (South), 3259 W. Columbus Ave. 60652	(312) 436-1555	TENNESSEE	Knoxville, 2002 E. Magnolia 37917	(615) 546-7744
	Springfield, 300 S. 31st St. 62703	(217) 528-6415		Memphis, 895-6 Brooks Road 38116	(901) 332-9293
INDIANA	Hammond, 6339 S. Indianapolis Blvd. 46320	(219) 845-9400		Nashville, 715-8th Ave., South 37205	(615) 256-1708
	Indianapolis, 3304 Madison Ave. 46227	(317) 787-8297	TEXAS	Dallas, 2457 Walnut Ridge 75229	(214) 241-5385
IOWA	Des Moines, 2430 Hubbell Ave. 50317	(515) 265-3275		Ft. Worth, 1116-18 East Seminary Dr. 76115	(817) 926-7787
KENTUCKY	Louisville, 2501 Crittenden Dr. 40217	(502) 636-2835		Houston (Central) 324 N. Hutcheson St. 77003	(713) 224-9178
LOUISIANA	New Orleans, 3501 Tchoupitoulas St. 70115	(504) 899-6309		Houston (North) 10600 Hempstead, Suite 101, 77092	(713) 681-4893
MARYLAND	Baltimore, 6834 Harford Rd. 21234	(301) 254-8988		Lubbock, 2112 50th 79412	(806) 747-9177
	College Park, 9925 Rhode Island Ave. 20740	(301) 474-5510		San Antonio, 612 McCullough Ave. 78215	(512) 224-6311
MASSACHUSETTS	Boston (Brighton), 190 N. Beacon St. 02135	(617) 254-4560	UTAH	Salt Lake City, 280 W. 2855 South St. 84115	(801) 486-0368
MICHIGAN	Detroit, 26111 W. Eight Mile Rd. 48240	(313) 535-1919	VIRGINIA	Norfolk, 2438 Ingleside Rd. 23513	(804) 855-2035
	Grand Rapids, 154 44th St., S.W. 49508	(616) 538-5060		Richmond, 2026-B Chamberlayne Ave. 23222	(804) 321-6007
MINNESOTA	Minneapolis, 2539 Nicollet Ave. 55404	(612) 827-4013	WASHINGTON	Seattle, 2424 - 4th Ave. 98121	(206) 622-4404
MISSOURI	Kansas City, 1710 Wyandotte St. 64108	(816) 221-1766		Spokane, 1902 E. Mission Ave. 99202	(509) 535-1754
	St. Louis, 1238 S. Vandeventer Ave. 63110	(314) 535-7424		Tacoma, 1610 Center St. 98409	(206) 572-7107
			WISCONSIN	West Allis, 10906 W. National Ave. 53227	(414) 327-0050



SKIL AUTHORIZED SERVICE STATIONS

ALABAMA:	Montgomery; Sheffield	NEVADA:	Las Vegas; Reno
ALASKA:	Anchorage; Fairbanks	NORTH CAROLINA:	Greensboro
ARIZONA:	Tucson	NORTH DAKOTA:	Fargo
CALIFORNIA:	Bakersfield; Eureka; Ontario; Redding; Santa Barbara; Ventura; Visalia	OHIO:	Toledo; Youngstown
DELAWARE:	Wilmington	OKLAHOMA:	Tulsa
FLORIDA:	Pensacola	OREGON:	Medford
HAWAII:	Mau	PENNSYLVANIA:	Allentown; Bethlehem; Easton; Wilkes-Barre; New Holland; Reading
IDAHO:	Boise; Idaho Falls	RHODE ISLAND:	Warwick
IOWA:	Davenport	SOUTH CAROLINA:	Columbia
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MONTANA:	Billings; Great Falls; Kalispell; Missoula; Helena	WYOMING:	Casper

SKIL CORPORATION

4801 WEST PETERSON AVENUE, CHICAGO, ILLINOIS 60646
PHONE: 312/286-7330

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